

Attachment 8A
Copies of Clean Harbors Field Services
Worksheets, Documenting Cleaning of VT-132

Day & Date: Wed 2/25/09
Sales Order #: 115 2240545Job Complete: Yes / ☒ No (Circle One)

Job Description / Comments:

Remove phenol waste sludge from Tank VT 132 via 10" line
to 2" nozzle hydro blast unit.

Customer: Sunoco Chemical Frankford

PO # / COD Amount:

Billing Address:

Per Diem: Yes / ☒ No (Circle one)

If yes, how many?:

Sunoco Chemical Frankford PA

Change Order Initiated: Yes / ☒ No (Circle One)

Contact: Mark Scuri +301

Job Location: Sunoco Chemical Frankford
PA (1) Tank VT 132

Task # / Description

Task # / Description

Task # / Description

F/S work

Component Type

Task Complete: Yes / ☒ No
(Circle One)Task Complete: Yes / No
(Circle One)Task Complete: Yes / No
(Circle One)

Name	Title	ID #	ST	OT	DT	ST	OT	DT	ST	OT	DT
Bill Morgan	Super		8	2							
Scott Grutchfield	Oprr		8	2							
Charles Pineda	Tec		8	2							
Albino Oloro	Tec		8	2							
Jeff Swerley	Tec		8	2							

LIQUID: Bulk / Drum

SOLID: Bulk / Drum

Pickup / Van / Car / Crew Cab (Circle One)

Vacuum Trailer

Tractor

Vacuum Truck, Straight

Box Truck

Cusco / Guzzler / Vector (Circle One)

Air Compressor, 175 CFM

Backhoe Loader 1 Yd bucket

Bobcat Loader-Mini Excavator

Rack Truck

Roll-off Truck, Straight

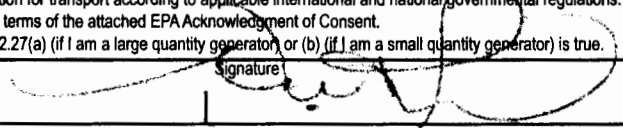
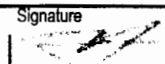
Pressure Washer (PSI:) Hot / Cold (Circle One)

Meter Type:

1 8665 10
3105 8
1231 8

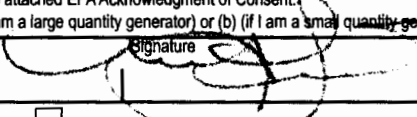
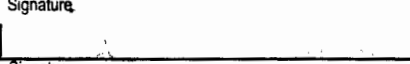
3/30/3/30/19

Day/Week/Month

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number PA0002311791	2. Page 1 of 1	3. Emergency Response Phone (800) 483-3718	4. Manifest Tracking Number 002619163 FLE		
5. Generator's Name and Mailing Address Sunoco Chemicals Margaret and Hermuda Street Philadelphia, PA 19137				Generator's Site Address (if different than mailing address) SAME			
Generator's Phone: (215) 807 8442							
6. Transporter 1 Company Name Clean Harbors Environmental Services Inc				U.S. EPA ID Number MA0039322250			
7. Transporter 2 Company Name				U.S. EPA ID Number			
8. Designated Facility Name and Site Address Clean Harbors of Baltimore Inc 1910 Russell Street Baltimore, MD 21230				U.S. EPA ID Number MD0980555189			
Facility's Phone: (410) 244-8200							
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit WL/Vol.	13. Waste Codes
			No.	Type			
		UN2810, WASTE TOXIC LIQUIDS, ORGANIC, N.O.S. (PHENOL), S.L. PG II (100 LBS)	001	TT	29600	P	K022
14. Special Handling Instructions and Additional Information VT-732 CLEANOUT.							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offor's Printed/Typed Name Mark A. Sweitzer							
Signature 							
Month Day Year 05 30 10							
TRANSPORTER	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____						
	Transporter signature (for exports only): _____ Date leaving U.S.: _____						
	17. Transporter Acknowledgment of Receipt of Materials						
	Transporter 1 Printed/Typed Name Joe J. Sweitzer				Signature 		
	Transporter 2 Printed/Typed Name				Signature		
DESIGNATED FACILITY	18. Discrepancy						
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
	Manifest Reference Number: _____						
	18b. Alternate Facility (or Generator) U.S. EPA ID Number						
	Facility's Phone: _____						
	18c. Signature of Alternate Facility (or Generator) Month Day Year						
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1. 11111		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name				Signature			
				Month Day Year			

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number 12791	2. Page 1 of	3. Generator Response Page 1	4. Manifest Tracking Number 002619164 FLE		
5. Generator's Name and Mailing Address Simco Chemicals Margaret and Barruda Street Philadelphia, PA 19137				Generator's Site Address (if different than mailing address) SAME			
Generator's Phone: (215) 807-8442							
6. Transporter 1 Company Name Clean Harbors Environmental Services Inc				U.S. EPA ID Number MAD099122250			
7. Transporter 2 Company Name				U.S. EPA ID Number			
8. Designated Facility Name and Site Address Clean Harbors of Baltimore Inc 1910 Russell Street Baltimore, MD 21230				U.S. EPA ID Number MDD090556189			
Facility's Phone: (410) 244-8200							
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
			No.	Type			
	X	1. UN2810, WASTE TOXIC LIQUIDS, ORGANIC, N.O.S. (PHENOL), 5 L, PG II (100 LBS)	001	TT	36360	P	K022
		2.					
		3.					
	4.						
14. Special Handling Instructions and Additional Information 1. CH24H / 88 REG# 153 VT- B2 CLEANOUT.							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Officer's Printed/Typed Name MARY A. SWEITZER.				Signature 		Month Day Year 03 31 10	
INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____						
	17. Transporter Acknowledgment of Receipt of Materials						
TRANSPORTER	Transporter 1 Printed/Typed Name BELAN L...				Signature 		Month Day Year 13 10 10
	Transporter 2 Printed/Typed Name				Signature		Month Day Year
DESIGNATED FACILITY	18. Discrepancy						
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
	Manifest Reference Number: _____						
	18b. Alternate Facility (or Generator)				U.S. EPA ID Number		
	Facility's Phone: _____						
	18c. Signature of Alternate Facility (or Generator) _____ Month Day Year						
	19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
	1. H141	2.	3.	4.			
	20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a						
	Printed/Typed Name				Signature		Month Day Year



Sunoco, Inc.
Margaret & Bermuda Streets
Philadelphia PA 19137-1193
215 533 3000

July 15, 2011

Martin Matlin (3LC70)
U.S. Environmental Protection Agency
Region III
1650 Arch Street
Philadelphia, PA 19103-2029

Via Certified Mail No. 7007 0710 0000 3856 5801

Re: Response to USEPA Request for Information Dated 24 May 2011
Sunoco, Inc.
EPA ID No. PAD002312791
Reference Number: C11-020

Dear Mr. Matlin:

The Sunoco Frankford Plant (Sunoco) is pleased to submit the following additional information in response to USEPA's letter dated May 24, 2011. Note that Sunoco submitted an initial response on June 24, 2011 which addressed the majority of the questions in your original request.

This letter addresses items number 2 and 10 from your May 24, 2011 correspondence. The text of the questions are shown in bold and italics, followed by Sunoco's response. The numbering of each supporting document indicates the number of the question to which it responds, and individual documents are then identified by sequential letters.

2. ***There appeared to be residue found around Boiler #1, its associated piping, on a nearby bucket, and on the floor nearby (see Photos 25-29). Regarding each of these areas of residue, please provide:***

- a. ***A detailed description of its source***

The black stains and tar-like material discovered during the inspection on the boiler house floor and the piping is caused by incidental drips and leaks occurring during routine operation and maintenance activities that include removal of burner rods from the boilers and replacing fuel tips. The bucket of material was removed and returned to the process for recovery and processing.

The liquid fuel (either No.6 oil or phenol residue waste fuel) is introduced to the combustion chamber of the boilers through one of six fuel rods equipped with a tip that dispenses the fuel in an aerosol pattern into the combustion chamber. The fuel rods are designed to allow for steam and fuel to be mixed at the fuel tip and deliver the fuel to the combustion chamber to allow for complete combustion. Periodically the fuel tips will become fouled and must be removed, cleaned and placed back in service. This process requires shutting down the fuel rod by turning off the fuel, purging the rod with steam, pulling the rod from the boiler while other fuel rods are in operation, cleaning and replacing the fuel rod. Disconnection and reconnection of the liquid fuel feed system can sometimes create small drips at fitting and connections. It is standard practice for the boiler house operators to immediately stop any drips during the burner replacement process by ensuring fittings are tight and secure. Drips are routinely wiped up using rags which are collected in a satellite accumulation area.

Boiler 1 was recently shut down for several weeks for a maintenance turnaround. During this turnaround the tar-like residue observed on the piping and floor under the burner manway was cleaned.

b. Its date(s) of generation

Drips and use of rags occur occasionally during routine operation. Sunoco does not have information regarding the specific dates of these events. Please see Sunoco's response to Question 2.h. for information regarding dates hazardous waste was sent off-site for disposal.

c. State whether a "waste determination" and "LDR determination" has been made for the material.

The material contains a mixture of phenol residue (K022) and No. 6 oil. Since the phenol residue is listed as a K022 waste, the rags are disposed with a K022 hazardous waste code.

d. If a "waste determination" and "LDR determination" has been made, state when such a determination(s) was made and the results of such determination(s)

The hazardous waste determination for the phenol residue waste fuel was made prior to the effective date of the RCRA regulations and is based on process knowledge.

e. If the material has been determined to be "hazardous waste," please state the specific EPA Hazardous Waste Code(s) associated with such hazardous waste.

If it has been determined not to be hazardous waste, explain the reasons for such determination.

The phenol residue is a hazardous waste with the code K022. Therefore the rags that are used for clean up also have the code K022.

- f. State whether any hazardous waste determination made for such waste was based on the generator's knowledge of the process that generated the waste, or upon analytic results. If a determination was made on the basis of process knowledge, describe in detail the scientific rationale for such a determination. If the determination was based on analytical results, describe the sampling procedures and provide copies of any and all such results.***

The waste code K022 is the material from the distillation column bottoms from the manufacture of phenol and acetone from cumene. Process knowledge of the manufacturing at the plant was used to assign the waste code. Analysis is not required to identify K-listed wastes,

- g. Please state if the material has been removed and/or shipped off-site and the date of such removal and/or shipment(s). If the material has not been shipped off-site, state its current location and explain why it has not been shipped off-site.***

The material in the bucket was returned to the process for reclamation. The material on the floor has been steam cleaned and pressure washed and the water returned to the process for reclamation. The drips and leaks on the piping and boiler equipment have been further cleaned. Rags and scrapings from the cleaning of equipment have been drummed for off site disposal.

- h. If the material was shipped off-site, provide copies of all bills of lading, manifests (including but not limited to hazardous waste manifests), shipping invoices, and LDR notices and certifications that accompanied and/or refer to each off-site shipment of this waste.***

Attachment 2A includes copies of waste disposal manifests and land disposal restriction notification forms for the last 3 years of disposal of waste solids contaminated with phenol. This waste stream includes the rags generated in the boiler house. Note that Sunoco does generate this waste stream at other locations in the facility. Records are not kept to denote where each individual waste drum is generated. Accordingly, drums reported on these manifests are not all generated at the boiler house.

10. At the time of EPA's inspection, did the Facility maintain a written job description for

each of the positions related to hazardous waste management, which includes the requisite skill, education, or other qualifications, and duties of Facility personnel assigned to each position? If so, please provide a copy of the job descriptions being maintained at the time of the inspection. If a list of job descriptions was not maintained at the time of the inspection, provide a copy of any such list created since the inspection, identifying the date on which such list was compiled.

At the time of the inspection, Sunoco did maintain job descriptions for each of the positions related to hazardous waste management. There are two hourly positions in the facility which include routine management of hazardous waste: Material Handler and Lab Assistant. Job descriptions for these individuals are included as Attachment 10A. In addition, there are two salary positions that include routine management of hazardous waste activity: Environmental Manager and Senior Environmental Engineer. Job descriptions for these individuals are included as Attachment 10B.

Other manufacturing-related jobs at the facility may include occasional handling and disposal of hazardous waste. For these additional manufacturing jobs, there is a requirement to understand RCRA procedures; however, waste management is not a major component of the job. For these positions, existing job descriptions are included as Attachment 10C.

All Sunoco employees (except clerical staff) receive annual training on RCRA issues that are required to be understood as deemed necessary by department supervision, that meets the requirements of 40 CFR 262.34 and 265.16. Copies of RCRA training records for all employees are included as Attachment 10D.

CERTIFICATION OF ANSWERS TO REQUEST FOR INFORMATION

I certify that the information contained in this response to EPA's request for information and the accompanying documents is true, accurate and complete. As to the identified portions of this response for which I cannot personally verify their accuracy, I certify under penalty of law that this response and all attachments were prepared in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Signature: William Rodebaugh
Name: WILLIAM RODEBAUGH
Title: PLANT MANAGER, FRANKFORD PLANT

If you have any questions concerning this matter, please contact Paul Persing at (215) 807-8453.

Sincerely,



William Rodebaugh
Plant Manager

Attachments

Attachment 2A
Manifests for K022 Phenol Residue Solids
Disposal

Phenol Residue SolidsShipping Name: **UN3243, Waste Solids Containing Toxic Liquids, N.O.S.,(Cumyl Phenol, Phenol), 6.1, PG II**ERG #: **151**Waste Codes: **K022**Profile No. **CHESI** **CH12050**

Ship Date	Manifest No.	Containers		Total Quantity	Units	Disposal Facility	EPA ID Number
		No.	Type				
6/11/2008	002057455FLE	7	DM	940	P	Clean Harbors El Dorado. El Dorado, AR.	ARD069748192
6/15/2009	002212579FLE	14	DM	1,895	P	Clean Harbors El Dorado. El Dorado, AR.	ARD069748192
10/6/2009	002922556FLE	13	DM	6,552	P	Clean Harbors El Dorado. El Dorado, AR.	ARD069748192
4/13/2010	003038729FLE	10	DM	3,236	P	Clean Harbors El Dorado. El Dorado, AR.	ARD069748192
7/28/2010	003395210FLE	1	DM	140	P	Clean Harbors El Dorado. El Dorado, AR.	ARD069748192
9/29/2010	003397416FLE	5	DM	2,750	P	Clean Harbors El Dorado. El Dorado, AR.	ARD069748192
10/13/2010	003917608FLE	1	DM	300	P	Clean Harbors El Dorado. El Dorado, AR.	ARD069748192
12/22/2010	003452947FLE	4	DM	640	P	Clean Harbors El Dorado. El Dorado, AR.	ARD069748192
1/19/2011	003916186FLE	43	DM	10,910	P	Clean Harbors Env Svcs, El Dorado, AR	ARD069748192
3/9/2011	003917962FLE	1	DM	60	P	Clean Harbors Env Svcs, El Dorado, AR	ARD069748192
Total		99	Containers	27423	P		

5263

731045710

PPW01/10/2008

Form Approved. OMB No. 2050-0039

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number P A D 0 0 2 3 1 2 7 9 1	2. Page 1 of 2	3. Emergency Response Phone 115 233 110	4. Manifest Tracking Number 002057455 FLE
5. Generator's Name and Mailing Address Sunoco Chemicals Margaret and Barnhart Street Philadelphia, PA 19137 Generator's Phone: 215 807-8442					
6. Transporter 1 Company Name Clean Harbors Environmental Services Inc U.S. EPA ID Number M A D 0 3 9 3 2 2 2 5 0					
7. Transporter 2 Company Name S Transportation Co., Inc. U.S. EPA ID Number 1506716 29976					
8. Designated Facility Name and Site Address Clean Harbors El Dorado LLC 309 American Circle El Dorado, AR, 71730 Facility's Phone: (870) 863-7173 U.S. EPA ID Number A R D 0 6 9 7 4 8 1 9 2					
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.
X	1. UN3175, WASTE SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S., (CUMENE), 4.1, PG II	002	DM	0680	P
X	2. UN3243, WASTE SOLIDS CONTAINING TOXIC LIQUID, N.O.S., (CUMYL PHENOL, RAGS), 6.1, PG II	007	DM	0940	P
X	3. UN3243, WASTE SOLIDS CONTAINING TOXIC LIQUID, N.O.S., (PHENOL), 6.1, PG II	030	DM	9580	P
X	4. UN3243, WASTE SOLIDS CONTAINING TOXIC LIQUID, N.O.S., (CUMENE, PHENOL), 6.1, PG II	004	DM	1090	P
13. Waste Codes D001 U055 K022 U188 U188					
14. Special Handling Instructions and Additional Information EMERGENCY 215 533 3000 1. L37557 2. CH12030 3. L37558-W 4. L37580 ERG#13 ERG#151 ERG#151 ERG#151					
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.					
16. Generator's/Officer's Printed/Typed Name Paul Reagin Signature Paul Reagin Month Day Year 16 11 08					
17. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:					
18. Discrepancy					
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Manifest Reference Number:					
18b. Alternate Facility (or Generator) U.S. EPA ID Number					
18c. Signature of Alternate Facility (or Generator) Month Day Year					
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)					
1. H040 2. H040 3. H040 4. H040					
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name Marion Smith Signature Marion Smith Month Day Year 16 11 08					



Land Disposal Restriction Notification Form

Page 1 of 2

Print Date: 06/10/2008

MANIFEST INFORMATION**Generator:** Sunoco Chemicals**Address:** Margaret and Bermuda Street
Philadelphia, PA 19137**EPA ID#:** P A D 0 0 2 3 1 2 7 9 1**Manifest No**

002057455FLE

Sales Order No: 731945716**LINE ITEM INFORMATION**

Line Item: 1	Page No: 1	Profile No: L37557	Treatability Group: NON- WASTEWATER	LDR Disposal Category: 2 : This is subject to LDR.
EPA Waste Codes D001 U055			EPA Waste Subcategory High TOC Ignitable Liquids NONE	
Line Item: 2	Page No: 1	Profile No: CH12050	Treatability Group: NON- WASTEWATER	LDR Disposal Category: 2 : This is subject to LDR.
EPA Waste Codes K022			EPA Waste Subcategory NONE	
Line Item: 3	Page No: 1	Profile No: L37558-W	Treatability Group: NON- WASTEWATER	LDR Disposal Category: 2 : This is subject to LDR.
EPA Waste Codes U188			EPA Waste Subcategory NONE	
Line Item: 4	Page No: 1	Profile No: L37560	Treatability Group: NON- WASTEWATER	LDR Disposal Category: 2 : This is subject to LDR.
EPA Waste Codes U188			EPA Waste Subcategory NONE	

Certification**Applies to
Manifest
Line Items**

Pursuant to 40 CFR 268.7(a), I hereby notify that this shipment contains waste restricted under 40 CFR Part 268. 1 2 3 4



Land Disposal Restriction Notification Form

Page 2 of 2

Print Date: 06/10/2008

MANIFEST INFORMATION

Generator: Sunoco Chemicals

Address: Margaret and Bermuda Street
Philadelphia, PA 19137

EPA ID#: P A D 0 0 2 3 1 2 7 9 1

Manifest No

002057455FLE

Sales Order No: 731945716

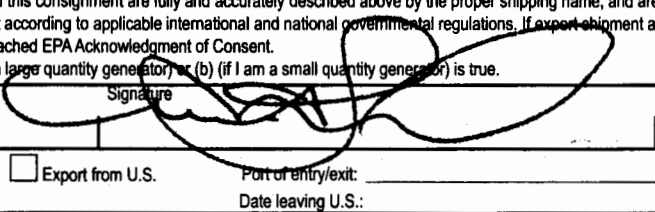
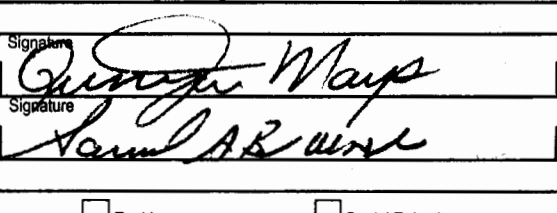
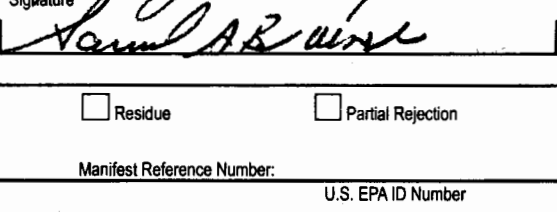
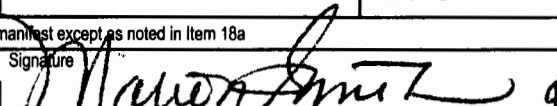
Waste analysis data, where available, is attached

Signature: _____

Print Name: _____

Title: _____

Date: 6/11/08

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number P A 0 0 0 2 3 1 2 7 9 1	2. Page 1 of 3	3. Emergency Response Phone (215) 533-3300	4. Manifest Tracking Number 002212579 FLE	
5. Generator's Name and Mailing Address Sunoco Chemicals Margaret and Bermuda Street Philadelphia, PA 19137			Generator's Site Address (if different than mailing address) SAME			
Generator's Phone: (215) 807-8442						
6. Transporter 1 Company Name Clean Harbors Environmental Services Inc			U.S. EPA ID Number MAD039322250			
7. Transporter 2 Company Name SS Transportation Company, Inc.			U.S. EPA ID Number NJH 6716 29976			
8. Designated Facility Name and Site Address Clean Harbors El Dorado LLC 309 American Circle El Dorado, AR 71730			U.S. EPA ID Number ARD069748192			
Facility's Phone: (870) 863-7173						
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
X	1. RQ, UN1993, WASTE FLAMMABLE LIQUIDS, N.O.S., (CUMENE, WATER, DIRT), 3, PG II (D001)	007 DM	02130	P	D001	U055
X	2. RQ, UN1992, WASTE FLAMMABLE LIQUIDS, TOXIC, N.O.S., (PHENOL, CUMENE), 3, (6.1), PG II (D001)	013 DM	04535	P	D001	U188
X	3. UN3175, WASTE SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S., (CUMENE, ACETONE), 4.1, PG II	002 DM	00300	P	U002	U055 U188
X	4. RQ, UN3110, WASTE ORGANIC PEROXIDE TYPE F, SOLID, (CUMENE HYDROGEN PEROXIDE), 5.2, PG II (D001)	004 DM	00740	P	D001	D003 U096
14. Special Handling Instructions and Additional Information 1. I37557 7x55 ERG#128 ✓ 2. I37558 13x55 ERG#131 ✓ 3. I381597 2x55 ERG#133 ✓ 4. I38662 4x55 ERG#145 ✓ REC'D 7-7-09 JH In case of emergency call 215 533 3000. Ask for environmental engineer or operations supervisor. 082736						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Officer's Printed/Typed Name MARK A. SWEITZER			Signature 		Month Day Year 6 15 09	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____						
17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Quinnon Mays Signature  Month Day Year 6 15 09 Transporter 2 Printed/Typed Name SAMUEL A BROWN JR Signature  Month Day Year 06 16 09						
18. Discrepancy 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Manifest Reference Number: _____ 18b. Alternate Facility (or Generator) U.S. EPA ID Number: _____ Facility's Phone: _____ 18c. Signature of Alternate Facility (or Generator) Month Day Year: _____						
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 1. H040 2. H040 3. H040 4. H040						
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name Marion Smith Signature  Month Day Year 06 25 09						

732363862

SC PPW 4/24/2009

Form Approved. OMB No: 2050-0039

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)		21. Generator ID Number PAD002312791	22. Page 2 of 3	23. Manifest Tracking Number 0022125791E	
24. Generator's Name Sunoco Chemicals					
25. Transporter 3 Company Name CLEAN HARBORS ENVIRONMENTAL SERVICES INC				U.S. EPA ID Number MA0039322250	
26. Transporter _____ Company Name				U.S. EPA ID Number	
27a. HM	27b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	Type	29. Total Quantity	30. Unit Wt./Vol.
X	5. RQ, UN3243, WASTE SOLIDS CONTAINING TOXIC LIQUID, N.O.S., (PHENOL, CHROME), 6.1, PG II (K022)	030	DM	11375	P
X	6. UN3243, WASTE SOLIDS CONTAINING TOXIC LIQUID, N.O.S., (CUMENE, PHENOL), 6.1, PG II	001	DM	00110	P
X	7. RQ, UN3243, WASTE SOLIDS CONTAINING TOXIC LIQUID, N.O.S., (PHENOL, CHROME), 6.1, PG II (K022)	001	DF	00380	P
X	8. UN3243, WASTE SOLIDS CONTAINING TOXIC LIQUID, N.O.S., (CUMYL PHENOL, RAGS), 6.1, PG II	001	DM	250	P
X	9. UN3243, WASTE SOLIDS CONTAINING TOXIC LIQUID, N.O.S., (PHENOL), 6.1, PG II	001	DM	00050	P
X	10. RQ, UN3243, WASTE SOLIDS CONTAINING TOXIC LIQUID, N.O.S., (CUMYL PHENOL, RAGS), 6.1, PG II (K022)	013	DM	01645	P
X	11. RQ, UN2928, TOXIC SOLIDS, CORROSIVE, ORGANIC, N.O.S., (CATECHOL), 6.1, (8), PG II	001	DM	00400	P
X	12. UN3244, WASTE SOLIDS CONTAINING CORROSIVE LIQUID, N.O.S., (SULFURIC ACID), 8, PG II	001	DF	00400	P
X	13. NA3077, HAZARDOUS WASTE, SOLID, N.O.S., (BENZENE), 9, PG III	001	DM	00050	P
X	14. RQ, NA3077, HAZARDOUS WASTE, SOLID, N.O.S., (K022), 9, PG III (K022)	010	DM	05020	P
31. Waste Codes					
K022					
U188					
K022					
K022					
U188					
K022					
NONE					
D002					
D018					
D007 D008 D010					
K022					
32. Special Handling Instructions and Additional Information					
5. I37556 1XSS ERG#151 ✓ 9. 38669 1XSS ERG#151 ✓ 13. CH127448 1XSS ERG#171 ✓					
6. I37560 1XSS ERG#151 ✓ 10. CH12050 1XSS ERG#151 ✓ 14. CH12057 1XSS ERG#171 ✓					
7. I37556 1XSS ERG#151 ✓ 11. CH13930 1XSS ERG#154 ✓					
8. CH12050 1XSS ERG#151 ✓ 12. I39785 1XSS ERG#154 ✓					
33. Transporter 3 Acknowledgment of Receipt of Materials					
Printed/Typed Name Brandon Davis Agent		Signature [Signature]		Month Day Year 10/18/09	
34. Transporter Acknowledgment of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
35. Discrepancy					
36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)					
5. H040		6. H040		7. H040	
10. H040		11. H040		12. H141	
				13. H040	
				14. H040	



Land Disposal Restriction
Notification Form

Page : 1 of 5

Printed Date : Jun 14, 2009

MANIFEST INFORMATION

Generator : Sunoco Chemicals

Address: Margaret and Bermuda Street
Philadelphia, PA 19137

Manifest Tracking Info.

002212579FLE

EPA ID #: PAD002312791

Sales Order No: 732363862

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
1.	1	L37557	NON-WASTEWATER	2 (This is subject to LDR.)
EPA Waste Code			EPA Waste SubCategory	
D001			High TOC Ignitable Liquids	
U065			NONE	

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
2.	1	L37558	NON-WASTEWATER	2 (This is subject to LDR.)
EPA Waste Code			EPA Waste SubCategory	
D001			High TOC Ignitable Liquids	
U188			NONE	

LDR Chemical Data

Chemical	Underlying Hazardous Constituents	Constituents of Concern	Contaminants Subject to Treatment
ACETONE	Y	N	N
ACETOPHENONE	Y	N	N
PHENOL	Y	N	N

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
3.	1	L381597	NON-WASTEWATER	2 (This is subject to LDR.)
EPA Waste Code			EPA Waste SubCategory	
U002U065U188			NONE	

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
4.	1	L38662	NON-WASTEWATER	2 (This is subject to LDR.)
EPA Waste Code			EPA Waste SubCategory	
D001			Ignitables, except High TOC Liquids	
D003			Other reactives	
U096			NONE	



Land Disposal Restriction
Notification Form

Page : 2 of 5

Printed Date : Jun 14, 2009

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
5.	2	L37556	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code

K022

EPA Waste SubCategory

NONE

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
6.	2	L37560	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code

U188

EPA Waste SubCategory

NONE

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
7.	2	L37556	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code

K022

EPA Waste SubCategory

NONE

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
8.	2	CH12050	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code

K022

EPA Waste SubCategory

NONE

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
9.	2	38669	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code

U188

EPA Waste SubCategory

NONE

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
10.	2	CH12050	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code

K022

EPA Waste SubCategory

NONE



Land Disposal Restriction
Notification Form

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LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
12.	2	L39785	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code	EPA Waste SubCategory
D002	Corrosive Characteristic

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
13.	2	CH127448	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code	EPA Waste SubCategory
D018	NONE

LDR Chemical Data

Chemical	Underlying Hazardous Constituents	Constituents of Concern	Contaminants Subject to Treatment
ANTHRACENE	Y	N	N
BENZ (A) ANTHRACENE	Y	N	N
BENZO (A) PYRENE	Y	N	N
BENZO (B) FLUORANTHENE	Y	N	N
BENZO (K) FLUORANTHENE	Y	N	N
CHRYSENE	Y	N	N
FLUORENE	Y	N	N
INDENO (1,2,3-C,D) PYRENE	Y	N	N
NAPHTHALENE	Y	N	N
PHENANTHRENE	Y	N	N
TOLUENE	Y	N	N
XYLENES (MIXED ISOMERS)	Y	N	N

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
14.	2	CH12057	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code	EPA Waste SubCategory
D007	Toxicity Characteristic for Chromium
D008	Toxicity Characteristic for Lead
D010	Toxicity Characteristic for Selenium



Land Disposal Restriction
Notification Form

Page : 4 of 5

Printed Date : Jun 14, 2009

K022 NONE

LDR Chemical Data

Chemical	Underlying Hazardous Constituents	Constituents of Concern	Contaminants Subject to Treatment
NICKEL	Y	N	N
PHENOL	Y	N	N

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
15.	3	CH127448	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code D018 EPA Waste SubCategory NONE

LDR Chemical Data

Chemical	Underlying Hazardous Constituents	Constituents of Concern	Contaminants Subject to Treatment
ANTHRACENE	Y	N	N
BENZ (A) ANTHRACENE	Y	N	N
BENZO (A) PYRENE	Y	N	N
BENZO (B) FLUORANTHENE	Y	N	N
BENZO (K) FLUORANTHENE	Y	N	N
CHRYSENE	Y	N	N
FLUORENE	Y	N	N
INDENO (1,2,3-C,D) PYRENE	Y	N	N
NAPHTHALENE	Y	N	N
PHENANTHRENE	Y	N	N
TOLUENE	Y	N	N
XYLENES (MIXED ISOMERS)	Y	N	N



Land Disposal Restriction
Notification Form

Page : 5 of 5

Printed Date : Jun 14, 2009

Certification

Applies to
Manifest Line
Items

Pursuant to 40 CFR 268.7(a), I hereby notify that this shipment contains waste restricted under 40 CFR Part 268.

1. 2. 3. 4.
5. 6. 7. 8.
9. 10. 12. 13.
14. 15.

This waste is not restricted as specified in 40 CFR 268 Subpart D.

11.

Waste analysis data, where available, is attached.

Signature : 

Print Name

MARK A. SWEITZER

Title :

ENVIRONMENTAL ENGINEER

Date :

06/15/09

670

732525207

SC EPA 10/5/2007

215 533 3041

Form Approved. OMB No. 2050-0039

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number PA0002312791	2. Page 1 of 1	3. Emergency Response Phone 1800-438-3449	4. Manifest Tracking Number 002922556 FLE		
5. Generator's Name and Mailing Address Sanco Chemicals Margaret and Burruck Street Philadelphia, PA 19137 Generator's Phone: (215) 807-8442			Generator's Site Address (if different than mailing address) SAME				
6. Transporter 1 Company Name Clean Harbors Environmental Services Inc			U.S. EPA ID Number MA0039322250				
7. Transporter 2 Company Name			U.S. EPA ID Number				
8. Designated Facility Name and Site Address Clean Harbors El Dorado LLC 309 American Circle El Dorado AR 71730 Facility's Phone: (870) 863-7173			U.S. EPA ID Number ARD089748192				
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit WT./Vol.	13. Waste Codes
	X	1. UN3243, WASTE SOLIDS CONTAINING TOXIC LIQUID, N.O.S., (CUMENE, PHENOL), 6 L, PG II	020	DM	03100	P	U188
	X	2. RQ, UN3243, WASTE SOLIDS CONTAINING TOXIC LIQUID, N.O.S. (CUMYL PHENOL, RAGS), 6 L, PG II (K022)	013	DM	08552	P	K022
	X	3. UN3243, SOLIDS CONTAINING TOXIC LIQUID, N.O.S., (PHENOL), 6 L, PG II	003	DM	00360	P	K022
	X	4. RQ, RA3077, HAZARDOUS WASTE, SOLID, N.O.S., (BENZENE), 9, PG III (D018)	014	DM	08274	P	D018
14. Special Handling Instructions and Additional Information 1. 127560 ✓ EPG#151 10X55 2. 12112050 ✓ EPG#151 1X55 3. 120660 EPG#151 1005, 2X55 4. 12072418 ✓ EPG#151 1005, 12X55 6855 NJ07259 S/09882 2X85 D/08334							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. Generator's/Officer's Printed/Typed Name: MARZI A. SWEITZER Signature: [Signature] Month: 10 Day: 6 Year: 09							
TRANSPORTER	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:						
	17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name: JOSE Cantillo. Signature: [Signature] Month: 10 Day: 6 Year: 09 Transporter 2 Printed/Typed Name: Signature: [Signature] Month: Day: Year:						
DESIGNATED FACILITY	18. Discrepancy 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Manifest Reference Number:						
	18b. Alternate Facility (or Generator) Facility's Phone:				U.S. EPA ID Number		
	18c. Signature of Alternate Facility (or Generator)				Month: Day: Year:		
	19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 1. H040 2. H040 3. H040 4. H040						
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name: Signature: Month: Day: Year:							

Clean Harbors has the appropriate permits for and will accept the waste the Generator is shipping.

Clean Harbor has the appropriate permits for and will accept the waste the generator is shipping.



Land Disposal Restriction
Notification Form

Page : 2 of 2

Printed Date : Oct 07, 2009

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
5.	2	CH12057	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code	EPA Waste SubCategory
D007	Toxicity Characteristic for Chromium
D008	Toxicity Characteristic for Lead
D010	Toxicity Characteristic for Selenium
K022	NONE

LDR Chemical Data

Chemical	Underlying Hazardous Constituents	Constituents of Concern	Contaminants Subject to Treatment
NICKEL	Y	N	N
PHENOL	Y	N	N

Certification

Applies to
Manifest Line
Items

Pursuant to 40 CFR 268.7(a), I hereby notify that this shipment contains waste restricted under 40 CFR Part 268.

1. 2. 4. 5.

This waste is not restricted as specified in 40 CFR 268 Subpart D.

3.

Waste analysis data, where available, is attached.

Signature :

Print Name

Title :

ENV. ENGINEER.

Date :

Mark Sweitzer.
10/7/09.



Land Disposal Restriction Notification Form

Page : 1 of 2

Printed Date : Oct 07, 2009

MANIFEST INFORMATION

Generator : Sunoco Chemicals
Address: Margaret and Bermuda Street
Philadelphia, PA 19137

Manifest Tracking Info.

002922556FLE

EPA ID #: PAD002312791

Sales Order No: 732525297

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
1.	1	L37560	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code

U188

EPA Waste SubCategory

NONE

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
2.	1	CH12050	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code

K022

EPA Waste SubCategory

NONE

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
4.	1	CH127448	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code

D018

EPA Waste SubCategory

NONE

LDR Chemical Data

Chemical	Underlying Hazardous Constituents	Constituents of Concern	Contaminants Subject to Treatment
ANTHRACENE	Y	N	N
BENZ (A) ANTHRACENE	Y	N	N
BENZO (A) PYRENE	Y	N	N
BENZO (B) FLUORANTHENE	Y	N	N
BENZO (K) FLUORANTHENE	Y	N	N
CHRYSENE	Y	N	N
FLUORENE	Y	N	N
INDENO (1,2,3-C,D) PYRENE	Y	N	N
NAPHTHALENE	Y	N	N
PHENANTHRENE	Y	N	N
TOLUENE	Y	N	N
XYLENES (MIXED ISOMERS)	Y	N	N

Clean Harbors Manifest Addendum

Page:1 of 1

<u>Generator ID Number:</u>		<u>Sales Order Number:</u>	
PAD002312791		002922558FLE	
732525297			
Sunoco Chemicals Margaret and Bermuda Street Philadelphia, PA19137			
<u>Line #</u>	<u>Profile No.</u>	<u>Profile Description</u>	<u>Waste Code</u>
1.	L37560	PHENOL CONTAMINATED TRASH	
		CH Container #	Customer Container #
2.	CH12050	PHENOL RESIDUE SOLIDS	
		CH Container #	Customer Container #
3.	L38660	PHENOL FILTER	
		CH Container #	Customer Container #
4.	CH127448	BENZENE CONTAMINATED SOIL	
		CH Container #	Customer Container #
5.	CH12057	BOILER BRICK AND ASH	
		CH Container #	Customer Container #

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number PAD002312791		2. Page 1 of 2		3. Emergency Response Phone (800) 483-3718		4. Manifest Tracking Number 003038729 FLE		
5. Generator's Name and Mailing Address Sunoco Chemicals Margaret and Bermuda Street Philadelphia, PA 19137 (215) 807-8442						Generator's Site Address (if different than mailing address) SAME				
6. Transporter 1 Company Name Clean Harbors Environmental Services Inc						U.S. EPA ID Number MAD030322250				
7. Transporter 2 Company Name <i>Clean Harbors Environmental Services Inc</i>						U.S. EPA ID Number <i>MAD031322250</i>				
8. Designated Facility Name and Site Address Clean Harbors El Dorado LLC 309 American Circle El Dorado, AR 71730 (870) 863-7173						U.S. EPA ID Number ARD069748192				
Facility's Phone:										
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))				10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
						No.	Type			
	X	1. UN1993, WASTE FLAMMABLE LIQUIDS, N.O.S., (CUMENE, WATER, DIRT), 3, PG II				06	DM	2463	P	D001 U055
	X	2. UN3175, WASTE SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S., (CUMENE), 4.1, PG II				04	DM	530	P	U055
	X	3. UN3175, WASTE SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S., (ACETONE), 4.1, PG II				01	DM	160	P	D001 U002
X	4. UN3110, WASTE ORGANIC PEROXIDE TYPE F, SOLID, (CUMENE HYDROGEN PEROXIDE), 5.2, PG II				01	DM	1003	P	D001 D003 U098	
14. Special Handling Instructions and Additional Information 1. I37557 ERG#128 3x55 3x85 2. CH215051 ERG#133 4x55 3. I38659 ERG#133 1x85 4. I38662 ERG#145 1x55 3x85										
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.										
Generator's/Officer's Printed/Typed Name MARK A. SWEITZER										Month Day Year 04 13 10
TRANSPORTER INTL	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____									
	17. Transporter Acknowledgment of Receipt of Materials									
	Transporter 1 Printed/Typed Name JOE HALL Signature <i>Joe Hall</i> Month Day Year 04 13 10									
Transporter 2 Printed/Typed Name MICHAEL C KNIGHT Signature <i>Michael Knight</i> Month Day Year 04 14 10										
DESIGNATED FACILITY	18. Discrepancy									
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection									
	Manifest Reference Number: _____									
	18b. Alternate Facility (or Generator) U.S. EPA ID Number _____									
	Facility's Phone: _____									
18c. Signature of Alternate Facility (or Generator) Month Day Year _____										
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)										
1. H040			2. H040			3. H040			4. H040	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a										
Printed/Typed Name JOHN SMITH Signature <i>John Smith</i> Month Day Year 04 14 10										

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)		21. Generator ID Number PAD002312791	22. Page 2 of 2	23. Manifest Tracking Number 003038729FLE	
24. Generator's Name Sunoco Chemicals					
25. Transporter 3 Company Name Clean Harbors Env Services			U.S. EPA ID Number MAAD039322250		
26. Transporter _____ Company Name			U.S. EPA ID Number		
27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No. Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes
X	6. UN3243, WASTE SOLIDS CONTAINING TOXIC LIQUID, N.O.S., (CUMENE, PHENOL), 6.1, PG II	21 DM	5776	P	U188
X	6. UN3243, WASTE SOLIDS CONTAINING TOXIC LIQUID, N.O.S., (PHENOL), 6.1, PG II	02 DM	635	P	U188
X	7. UN1930, WASTE TOXIC SOLIDS, FLAMMABLE, ORGANIC, N.O.S., (ACETONE, PHENOL), 6.1, (4.1), PG II	06 DM	522	P	D001 F008
X	8. UN3243, WASTE SOLIDS CONTAINING TOXIC LIQUID, N.O.S., (CUMYL PHENOL, RAGS), 6.1, PG II	10 DM	3236	P	K022
X	9. UN3243, WASTE SOLIDS CONTAINING TOXIC LIQUID, N.O.S., (CUMENE, PHENOL), 6.1, PG II 713	713 DM 713			U188 713
X	10. UN2810, WASTE TOXIC LIQUIDS, ORGANIC, N.O.S., (PHENOL, ACETOPHENONE), 6.1, PG II	28 DM	10800	P	K022
X	11. UN3264, WASTE CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S., (SULFURIC ACID), 8, PG III	04 DF	1952	P	D002
X	12. NA3077, HAZARDOUS WASTE, SOLID, N.O.S., (LEAD, CHROMIUM), 9, PG III	01 DM	313	P	D007 D008
X	13. RQ, NA3077, HAZARDOUS WASTE, SOLID, N.O.S., (K022), 9, PG III (K022)	01 DM	313	P	D007 D008 D010
X	14. RQ, NA3077, HAZARDOUS WASTE, SOLID, N.O.S., (BENZENE), 9, PG III (D018)	01 DM	980	P	D018
32. Special Handling Instructions and Additional Information 5. I37560 ERG#15110xSS 10. I37560 ERG#15110xSS 13. CH12057 ERG#1711xSS 6. 38669 ERG#15110xSS 11. I37556 ERG#15328xSS 14. CH127448 ERG#1711xSS 7. 6LID-013 ERG#1346xSS 12. 6LID-002 ERG#1711xSS 8. CH12050 ERG#15110xSS					
33. Transporter 3 Acknowledgment of Receipt of Materials Printed/Typed Name Williamson (agent for CHES) Signature Williamson Month 1 Day 4 Year 2010					
34. Transporter Acknowledgment of Receipt of Materials Printed/Typed Name _____ Signature _____ Month _____ Day _____ Year _____					
35. Discrepancy					
36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)					
5. H040		6. H040		7. H040	
10. H040		11. H141		12. H141	
		13. H040		14. H040	



Land Disposal Restriction
Notification Form

Page : 1 of 4

Printed Date : Apr 12, 2010

MANIFEST INFORMATION

Generator : Sunoco Chemicals

Address: Margaret and Bermuda Street
Philadelphia, PA 19137

EPA ID #: PAD002312791

Manifest Tracking Info.

003038729FLE

Sales Order No: 732836603

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
1.	1	L37557	NON-WASTEWATER	2 (This is subject to LDR.)
EPA Waste Code			EPA Waste SubCategory	
D001			High TOC Ignitable Liquids	
U055			NONE	

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
2.	1	CH215051	NON-WASTEWATER	2 (This is subject to LDR.)
EPA Waste Code			EPA Waste SubCategory	
U055			NONE	

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
3.	1	L38659	NON-WASTEWATER	2 (This is subject to LDR.)
EPA Waste Code			EPA Waste SubCategory	
D001			High TOC Ignitable Liquids	
U002			NONE	

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
4.	1	L38662	NON-WASTEWATER	2 (This is subject to LDR.)
EPA Waste Code			EPA Waste SubCategory	
D001			Ignitables, except High TOC Liquids	
D003			Other reactives	
U096			NONE	

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
5.	2	L37560	NON-WASTEWATER	2 (This is subject to LDR.)
EPA Waste Code			EPA Waste SubCategory	
U188			NONE	



Land Disposal Restriction
Notification Form

Page : 2 of 4

Printed Date : Apr 12, 2010

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
6.	2	38669	NON-WASTEWATER	2 (This is subject to LDR.)
EPA Waste Code			EPA Waste SubCategory	
U188			NONE	

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
7.	2	6LID-013	NON-WASTEWATER	2 (This is subject to LDR.)
EPA Waste Code			EPA Waste SubCategory	
D001			High TOC Ignitable Liquids	
F003			NONE	

LDR Chemical Data

Chemical	Underlying Hazardous Constituents	Constituents of Concern	Contaminants Subject to Treatment
ACETONE	N	Y	N
PHENOL	Y	N	N

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
8.	2	CH12050	NON-WASTEWATER	2 (This is subject to LDR.)
EPA Waste Code			EPA Waste SubCategory	
K022			NONE	

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
9.	2	L37556	NON-WASTEWATER	2 (This is subject to LDR.)
EPA Waste Code			EPA Waste SubCategory	
U188			NONE	

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
10.	2	L37556	NON-WASTEWATER	2 (This is subject to LDR.)
EPA Waste Code			EPA Waste SubCategory	
K022			NONE	



Land Disposal Restriction Notification Form

Page : 3 of 4

Printed Date : Apr 12, 2010

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
11.	2	L39785	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code	EPA Waste SubCategory
D002	Corrosive Characteristic

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
12.	2	6LID-002	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code	EPA Waste SubCategory
D007	Toxicity Characteristic for Chromium
D008	Toxicity Characteristic for Lead

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
13.	2	CH12057	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code	EPA Waste SubCategory
D007	Toxicity Characteristic for Chromium
D008	Toxicity Characteristic for Lead
D010	Toxicity Characteristic for Selenium
K022	NONE

LDR Chemical Data

Chemical	Underlying Hazardous Constituents	Constituents of Concern	Contaminants Subject to Treatment
NICKEL	Y	N	N
PHENOL	Y	N	N

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
14.	2	CH127448	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code	EPA Waste SubCategory
D018	NONE



Land Disposal Restriction
Notification Form

Page : 4 of 4

Printed Date : Apr 12, 2010

LDR Chemical Data

Chemical	Underlying Hazardous Constituents	Constituents of Concern	Contaminants Subject to Treatment
ANTHRACENE	Y	N	N
BENZ (A) ANTHRACENE	Y	N	N
BENZO (A) PYRENE	Y	N	N
BENZO (B) FLUORANTHENE	Y	N	N
BENZO (K) FLUORANTHENE	Y	N	N
CHRYSENE	Y	N	N
FLUORENE	Y	N	N
INDENO (1,2,3-C,D) PYRENE	Y	N	N
NAPHTHALENE	Y	N	N
PHENANTHRENE	Y	N	N
TOLUENE	Y	N	N
XYLENES (MIXED ISOMERS)	Y	N	N

Certification

Applies to
Manifest Line
Items

Pursuant to 40 CFR 268.7(a), I hereby notify that this shipment contains waste restricted under 40 CFR Part 268.

1. 2. 3. 4.
5. 6. 7. 8.
9. 10. 11. 12.
13. 14.

Waste analysis data where available is attached.

Signature : 

Print Name

Title :

Date :

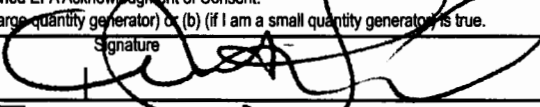
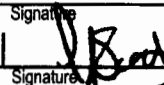
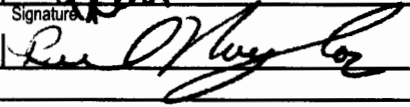
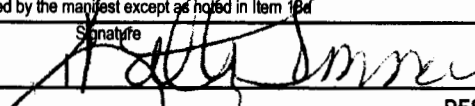
4/13/10

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

13295510

SC HPW 6/4/2010

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number PA0002312/91		2. Page 1 of 2		3. Emergency Response Phone (800) 453-3134		4. Manifest Tracking Number 003395210 FLE			
5. Generator's Name and Mailing Address Sunco Inc Margaret and Hermuda Street Philadelphia, PA 19137 Generator's Phone: (215) 807-8442						Generator's Site Address (if different than mailing address) SAMF					
6. Transporter 1 Company Name Clean Harbors Environmental Services Inc						U.S. EPA ID Number MA0039322250					
7. Transporter 2 Company Name Clean Harbors Env. Svc						U.S. EPA ID Number MA0039322252					
8. Designated Facility Name and Site Address Clean Harbors El Dorado LLC 308 American Circle El Dorado, AR 71730 Facility's Phone: (501) 863-1173						U.S. EPA ID Number ARD069748192					
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))				10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
	X	1. UN1980, WASTE ALKALOIDS, 2.1				01	DM	55	P	D001	F005
	X	2. UN1980, WASTE FLAMMABLE LIQUIDS, N.O.S., (ACETONE, PHENOL), 3, PG II TD								D001	U002
	X	3. UN1983, WASTE FLAMMABLE LIQUIDS, N.O.S., (CUMENE, WATER, DIRT), 3, PG II				01	DM	125	P	D001	U055
	X	4. NO UN1982, WASTE FLAMMABLE LIQUIDS, TOXIC, N.O.S., (PHENOL, CUMENE), 3, (S.I.), PG II (D001)				12 13 TD	DM	5980 6440 TD	P	D001	U155
14. Special Handling Instructions and Additional Information 1. CH345691 ERG#126 1x55 2. 13295510 TD ERG#128 3. 137557 ERG#128 1x55 4. 137558 ERG#131 13 12x55 DM											
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.											
Generator's/Officer's Printed/Typed Name: MARK A. SWEITZER Signature:  Month: 07 Day: 28 Year: 2010											
TRANSPORTER	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____										
	17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name: Steven J Swift Signature:  Month: 07 Day: 28 Year: 10										
	Transporter 2 Printed/Typed Name: Bill Naylor Signature:  Month: 08 Day: 02 Year: 10										
DESIGNATED FACILITY	18. Discrepancy 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Manifest Reference Number: _____										
	18b. Alternate Facility (or Generator) U.S. EPA ID Number: _____										
	Facility's Phone: _____										
	18c. Signature of Alternate Facility (or Generator) Month: _____ Day: _____ Year: _____										
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 1. H040 2. H040 3. H040 4. H040											
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name: Keith Simms Signature:  Month: 07 Day: 10 Year: 10											

732965810

SC HW 6/4/2010

Form Approved, OMB No. 2050-0039

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)		21. Generator ID Number PA0002312191	22. Page 2 of 2	23. Manifest Tracking Number 00000021044	
24. Generator's Name Sunoco Inc					
25. Transporter 3 Company Name CLEAN HARBORS ENV. SERVICES			U.S. EPA ID Number MAD039322250		
26. Transporter 4 Company Name Clean Harbors Env. Services			U.S. EPA ID Number MAD039322250		
27a. HM	27b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No. Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes
X	6. UN2826, WASTE FLAMMABLE LIQUID, CORROSIVE, ORGANIC, N.O.S., (ISOPROPENYL BENZENE, SODIUM HYDROXIDE), 0.1, (8), PG II				D001 D002 TB
X	6. UN243, WASTE SOLIDS CONTAINING TOXIC LIQUID, N.O.S., (PHENOL), 0.1, PG II	11 DM	6050	P	U188
X	7. UN245, WASTE SOLIDS CONTAINING TOXIC LIQUID, N.O.S., (CUMYL PHENOL, PHENOL), 0.1, PG II	1 DM	140	P	W22
X	8. UN2826, WASTE PHENOL SOLUTIONS, 0.1, PG II				U188 TB
X	9. UN2810, WASTE TOXIC LIQUIDS, ORGANIC, N.O.S., (PHENOL, ACETOPHENONE), 0.1, PG II				W22 TB
X	10. UN243, WASTE SOLIDS CONTAINING TOXIC LIQUID, N.O.S., (CUMENE, PHENOL), 0.1, PG II	2 DM	380	P	U188
X	11. UN2810, WASTE TOXIC LIQUIDS, ORGANIC, N.O.S., (PHENOL, ACETOPHENONE), 0.1, PG II	16 DM	9285	P	W22
X	12. UN2810, WASTE TOXIC LIQUIDS, ORGANIC, N.O.S., (PHENOL, ACETOPHENONE), 0.1, PG II	2 DF	340	P	W22
X	13. UN244, WASTE SOLIDS CONTAINING CORROSIVE LIQUID, N.O.S., (SODIUM HYDROXIDE), 0, PG II	40 DM	19875	P	D002
X	14. UN244, WASTE SOLIDS CONTAINING CORROSIVE LIQUID, N.O.S., (SODIUM HYDROXIDE), 0, PG II				D002 TB
32. Special Handling Instructions and Additional Information 5.1300011 ERG151 17SS 10.137560 ERG151 27SS 13.138661 ERG154 32SS, 27SS 6.38669 ERG151 17SS 10.137560 ERG151 27SS 14.140661 ERG154 32SS 7.1412050 ERG151 17SS 11.137556 ERG153 16SS 12.137556 ERG153 27SS					
33. Transporter 3 Acknowledgment of Receipt of Materials Printed/Typed Name: Michael Banowski Signature: [Signature] Month: 08 Day: 11 Year: 10					
34. Transporter 4 Acknowledgment of Receipt of Materials Printed/Typed Name: J.L. Williamson (agent for CHES) Signature: [Signature] Month: 8 Day: 12 Year: 10					
35. Discrepancy					
36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)					
5. H040		6. H040		7. H040	
10. H040		11. H040		12. H040	
13. H141		14. H141		15. H141	



ENVIRONMENTAL SERVICES

Land Disposal Restriction
Notification Form

Page : 1 of 4

Printed Date : Jul 28, 2010

MANIFEST INFORMATION

Generator : Sunoco Inc

Address: Margaret and Bermuda Street
Philadelphia, PA 19137

Manifest Tracking Info.

003395210FLE

EPA ID #: PAD002312791

Sales Order No: 732985810

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
1.	1	CH345691	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code

D001

F005

EPA Waste SubCategory

Ignitables, except High TOC Liquids

NONE

LDR Chemical Data

Chemical
METHYL ETHYL KETONE
TOLUENE

Underlying
Hazardous
Constituents

N

N

Constituents
of
Concern

Y

Y

Contaminants
Subject to
Treatment

N

N

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

EPA Waste Code

EPA Waste SubCategory

NONE

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
3.	1	L37557	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code

D001

U055

EPA Waste SubCategory

High TOC Ignitable Liquids

NONE

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
4.	1	L37558	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code

D001

EPA Waste SubCategory

High TOC Ignitable Liquids



Land Disposal Restriction
Notification Form

Page : 2 of 4

Printed Date : Jul 28, 2010

U188

NONE

LDR Chemical Data

Chemical	Underlying Hazardous Constituents	Constituents of Concern	Contaminants Subject to Treatment
ACETONE	Y	N	N
ACETOPHENONE	Y	N	N
PHENOL	Y	N	N

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category

EPA Waste Code	EPA Waste SubCategory

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
6.	2	38869	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code	EPA Waste SubCategory
U188	NONE

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
7.	2	CH12050	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code	EPA Waste SubCategory
K022	NONE

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category

EPA Waste Code	EPA Waste SubCategory

LDR Chemical Data

Chemical	Underlying Hazardous Constituents	Constituents of Concern	Contaminants Subject to Treatment
Phenol	Y	N	N



Land Disposal Restriction
Notification Form

Page : 3 of 4

Printed Date : Jul 28, 2010

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
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EPA Waste Code

EPA Waste SubCategory

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
10.	2	L37580	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code

U188

EPA Waste SubCategory

NONE

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
11.	2	L37556	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code

K022

EPA Waste SubCategory

NONE

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
12.	2	L37556	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code

K022

EPA Waste SubCategory

NONE

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
13.	2	L36681	NON-WASTEWATER	3 (Alternate Debris Standard)

EPA Waste Code

D002

EPA Waste SubCategory

Corrosive Characteristic

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
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EPA Waste Code

EPA Waste SubCategory



Land Disposal Restriction
Notification Form

Page : 4 of 4

Printed Date : Jul 28, 2010

Certification

Applies to
Manifest Line
Items

Pursuant to 40 CFR 268.7(a), I hereby notify that this shipment contains waste restricted under 40 CFR Part 268.

1. 3. 4.
6. 7.
10. 11. 12.

This hazardous debris is subject to the Alternate Treatment Standards of 40 CFR 268.45.

13. 1

Waste analysis data, where available, is attached.

Signature :

Print Name

Mark A. Sweitzer

Title :

ENV. ENGINEER.

Date :

07/28/2010.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number PAD002312791	2. Page 1 of 2	3. Emergency Response Phone (800)483-3718	4. Manifest Tracking Number 003397416 FLE			
5. Generator's Name and Mailing Address Sunoco Inc Margaret and Bermuda Street Philadelphia, PA 19137 Generator's Phone: (215)807-8442				Generator's Site Address (if different than mailing address) SAME				
6. Transporter 1 Company Name Clean Harbors Environmental Services Inc				U.S. EPA ID Number MAD039322250				
7. Transporter 2 Company Name CLEAN HARBORS ENV. SERVICES INC.				U.S. EPA ID Number MAD039322250				
8. Designated Facility Name and Site Address Clean Harbors El Dorado LLC 309 American Circle El Dorado, AR 71730 Facility's Phone: (870)863-7173				U.S. EPA ID Number ARD069748192				
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	x	1. UN3243, WASTE SOLIDS CONTAINING TOXIC LIQUID, N.O.S., (PHENOL), 6.1, PG II		40	DM	16110	P	U188
	x	2. UN3243, WASTE SOLIDS CONTAINING TOXIC LIQUID, N.O.S., (GUMYL PHENOL, PHENOL), 6.1, PG II		5	DM	2750	P	K022
	x	3. UN2810, WASTE TOXIC LIQUIDS, ORGANIC, N.O.S., (PHENOL, ACETOPHENONE), 6.1, PG II		12	DM	8680	P	K022
	x	4. UN3243, WASTE SOLIDS CONTAINING TOXIC LIQUID, N.O.S., (GUMENE, PHENOL), 6.1, PG II		15	DM	1350	P	U188
14. Special Handling Instructions and Additional Information 1. 38669 ERG#151 40x55 2. CH12050 ERG#151 5x55 3. 137556 ERG#153 11x55, 1x110 4. 137560 ERG#151 15x55								
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.								
Generator's/Officer's Printed/Typed Name Adrienne Blanchard				Signature <i>Adrienne Blanchard</i>		Month Day Year 09 29 10		
TRANSPORTER	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____							
	17. Transporter Acknowledgment of Receipt of Materials							
	Transporter 1 Printed/Typed Name Steven J. Scott				Signature <i>Steven J. Scott</i>		Month Day Year 09 29 10	
Transporter 2 Printed/Typed Name Michael Barowski				Signature <i>Michael Barowski</i>		Month Day Year 10 04 10		
DESIGNATED FACILITY	18. Discrepancy							
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Manifest Reference Number: _____							
	18b. Alternate Facility (or Generator) U.S. EPA ID Number _____							
	Facility's Phone: _____							
	18c. Signature of Alternate Facility (or Generator) Month Day Year _____ _____ ____							
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)								
1. H040		2. H040		3. H040		4. H040		
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a								
Printed/Typed Name Steve Elliott				Signature <i>Steve Elliott</i>		Month Day Year 10 05 10		

Clean Harbors has the appropriate permits for and will accept the waste the generator is shipping.



ENVIRONMENTAL SERVICES

MANIFEST INFORMATION

Land Disposal Restriction
Notification Form

Page : 1 of 2

Printed Date : Sep 27, 2010

Generator : Sunoco Inc

Address: Margaret and Bermuda Street
Philadelphia, PA 19137

Manifest Tracking Info.

003397416FLE

EPA ID #: PAD002312791

Sales Order No: 733107194

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
1.	1	38669	NON-WASTEWATER	2 (This is subject to LDR.)
EPA Waste Code			EPA Waste SubCategory	
U188			NONE	

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
2.	1	CH12050	NON-WASTEWATER	2 (This is subject to LDR.)
EPA Waste Code			EPA Waste SubCategory	
K022			NONE	

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
3.	1	L37556	NON-WASTEWATER	2 (This is subject to LDR.)
EPA Waste Code			EPA Waste SubCategory	
K022			NONE	

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
4.	1	L37560	NON-WASTEWATER	2 (This is subject to LDR.)
EPA Waste Code			EPA Waste SubCategory	
U188			NONE	

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
5.	2	CH12057	NON-WASTEWATER	2 (This is subject to LDR.)
EPA Waste Code			EPA Waste SubCategory	
D007			Toxicity Characteristic for Chromium	
D008			Toxicity Characteristic for Lead	
D010			Toxicity Characteristic for Selenium	



Land Disposal Restriction
Notification Form

Page : 2 of 2

Printed Date : Sep 27, 2010

K022

NONE

LDR Chemical Data

Chemical	Underlying Hazardous Constituents	Constituents of Concern	Contaminants Subject to Treatment
NICKEL	Y	N	N
PHENOL	Y	N	N

Certification

Applies to
Manifest Line
Items

Pursuant to 40 CFR 268.7(a), I hereby notify that this shipment contains waste restricted under 40 CFR Part 268.

1. 2. 3. 4.
5.

Waste analysis data, where available, is attached.

Signature :

Adrienne Blanchard

Print Name

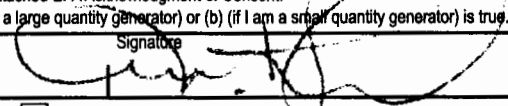
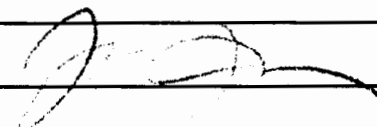
Adrienne Blanchard

Title :

Environmental Engineer

Date :

9/29/2010

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number PAU002312791		2. Page 1 of 1		3. Emergency Response Phone (800) 483-3118		4. Manifest Tracking Number 003917608 FLE					
5. Generator's Name and Mailing Address Sunoco Inc Margaret and Conyngham Street Philadelphia, PA 19137 (215) 907-8442						Generator's Site Address (if different than mailing address) SAMP							
6. Transporter 1 Company Name Clean Harbors Environmental Services Inc						U.S. EPA ID Number MAU039322250							
7. Transporter 2 Company Name						U.S. EPA ID Number							
8. Designated Facility Name and Site Address Clean Harbors EJ Dorado LLC 309 American Circle EJ Dorado, AR 71730						U.S. EPA ID Number ARD069748192							
Facility's Phone: (501) 882-1173													
9a. HM		9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))				10. Containers No. Type		11. Total Quantity		12. Unit Wt./Vol.		13. Waste Codes	
X		1. UN3110, WASTE ORGANIC PEROXIDE (TYPE F, SOLID), (CUMYL HYDROGEN PEROXIDE), 5.2, PG II				001 DM		00300		P		D001 D003 U090	
X		2. UN3243, WASTE SOLIDS CONTAINING TOXIC LIQUID, N.O.S., (CUMYL PHENOL, PHENOL), 6.1, PG II				001 DM		00300		P		U022	
X		3. UN2921, TOXIC LIQUIDS, CORROSIVE, ORGANIC, N.O.S., (CATECHOL), 6.1, (A), PG II				003 DM		00375		P			
X		4. UN2794, WASTE BATTERIES, WET, FILLED WITH ACID, 8, PG III				001 DF		00100		P		U002 U008	
14. Special Handling Instructions and Additional Information 1. L38662 ERG#145 1X55 - CHIP CHIPS 2. CH12050 ERG#151 1X55 - PHENOL RESIDUE SOLIDS. 3. CH373930 ERG#154 3X05 - CATECHOL DRUMS w/HEEL 4. CH462802 ERG#154 1X55 - DANGEROUS BATTERIES													
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.													
Generator's/Offeror's Printed/Typed Name Mark Swartz										Signature  Month Day Year 10 12 10			
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Transporter signature (for exports only): _____ Date leaving U.S.: _____													
17. Transporter Acknowledgment of Receipt of Materials													
Transporter 1 Printed/Typed Name Jeff Brackley										Signature  Month Day Year 10 12 10			
Transporter 2 Printed/Typed Name										Signature _____ Month Day Year _____ _____ _____			
18. Discrepancy													
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Manifest Reference Number: _____													
18b. Alternate Facility (or Generator) U.S. EPA ID Number Facility's Phone: _____													
18c. Signature of Alternate Facility (or Generator) Month Day Year _____ _____ _____													
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)													
1. H040				2. H040				3. H040				4. H141	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name Signature Month Day Year _____ _____ _____ _____													



Land Disposal Restriction
Notification Form

Page: 1 of 1

Printed Date: Oct 13, 2010

MANIFEST INFORMATION

Generator: Sunoco Inc

Address: Margaret and Bermuda Street
Philadelphia, PA 19137

EPA ID #: PAD002312791

Manifest Tracking Info.

003917608FLE

Sales Order No: 633134204-002

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
1.	1	L38662	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code	EPA Waste SubCategory
D001	Ignitables, except High TOC liquids
D003	Other reactives
U008	NONE

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
2.	1	CH12050	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code	EPA Waste SubCategory
K022	NONE

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
4.	1	CH462802	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code	EPA Waste SubCategory
D002	Corrosive Characteristic
D008	Toxicity Characteristic for Lead

Certification

Applies to
Manifest Line
Items

Pursuant to 40 CFR 268.7(a), I hereby notify that this shipment contains waste restricted under 40 CFR Part 268.

1. 2. 4.

This waste is not restricted as specified in 40 CFR 268 Subpart D.

3.

Waste analysis data, where available, is attached.

Signature:

Print Name

MARY A. SWEITZER

Title:

ENV. ENGINEER

Date:

10/13/10

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number PAD002312791	2. Page 1 of 2	3. Emergency Response Phone (800)483-3718	4. Manifest Tracking Number 003452947 FLE		
5. Generator's Name and Mailing Address Sunoco Inc Margaret and Barnum Street Philadelphia, PA 19137 Generator's Phone: (215)807-8442			Generator's Site Address (if different than mailing address) SAME				
6. Transporter 1 Company Name Clean Harbors Environmental Services Inc			U.S. EPA ID Number MAD039322260				
7. Transporter 2 Company Name			U.S. EPA ID Number				
8. Designated Facility Name and Site Address Clean Harbors El Dorado LLC 309 American Circle El Dorado, AR 71730 Facility's Phone: (870)863-7173			U.S. EPA ID Number ARD069748192				
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	X	1. UN1993, WASTE FLAMMABLE LIQUIDS, N.O.S., (ACETONE, 97) PHENOL, 8, PG II, (GC VIALS) 713					D001 U002 U055
	X	2. UN3110, WASTE ORGANIC PEROXIDE TYPE F, SOLID, (CUMENE HYDROGEN PEROXIDE), 6.2, PG II	6	DM	1000	P	D001 D003 U096
	X	3. UN3243, WASTE SOLIDS CONTAINING TOXIC LIQUID, N.O.S., (PHENOL), 6.1, PG II	38	DM	13,820	P	U188
	X	4. UN3243, WASTE SOLIDS CONTAINING TOXIC LIQUID, N.O.S., (CUMYL PHENOL, PHENOL), 6.1, PG II	4	DM	640	P	K022
14. Special Handling Instructions and Additional Information 1. 6339743 ERG#128712 2. 138662 ERG#145 2 x SS 3. 38669 ERG#151 38 x SS 4. CH12050 ERG#151 1 x SS							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Officer's Printed/Typed Name Adrienne Blanchard			Signature <i>Adrienne Blanchard</i>		Month Day Year 12 22 10		
TRANSPORTER	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.			Port of entry/exit: Date leaving U.S.:			
	Transporter signature (for exports only):						
TRANSPORTER	17. Transporter Acknowledgment of Receipt of Materials						
	Transporter 1 Printed/Typed Name Stacy Sosa			Signature <i>Stacy Sosa</i>		Month Day Year 12 22 10	
DESIGNATED FACILITY	Transporter 2 Printed/Typed Name			Signature		Month Day Year	
	18. Discrepancy						
DESIGNATED FACILITY	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection			Manifest Reference Number:			
	18b. Alternate Facility (or Generator)			U.S. EPA ID Number			
DESIGNATED FACILITY	Facility's Phone:						
	18c. Signature of Alternate Facility (or Generator)			Month Day Year			
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1. H040		2. H040		3. H040		4. H040	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name			Signature		Month Day Year		

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)		21. Generator ID Number 733247600	22. Page 30	23. Manifest Tracking Number 10/26/2010	
24. Generator's Name Sunoco Inc		PAD002312791	2 of 2	003452947FE	
25. Transporter _____ Company Name		U.S. EPA ID Number			
26. Transporter _____ Company Name		U.S. EPA ID Number			
27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No. Type		29. Total Quantity	30. Unit Wt./Vol.
X	6. UN2821, WASTE PHENOL SOLUTIONS, 6.1, PG II 73				U188 73
X	6. UN2810, WASTE TOXIC LIQUIDS, ORGANIC, N.O.S., (PHENOL, ACETOPHENONE), 6.1, PG II	12	DM	9,360	P
X	7. UN243, WASTE SOLIDS CONTAINING TOXIC LIQUID, N.O.S., (CUMENE, PHENOL), 6.1, PG II	11	DM	1,200	P
X	8. UN3244, WASTE SOLIDS CONTAINING CORROSIVE LIQUID, N.O.S., (SODIUM HYDROXIDE), 8, PG II	4	DM	360	
32. Special Handling Instructions and Additional Information 5. L320744 ERG153 12 x SS 6. L37556 ERG153 12 x SS 7. L37560 ERG151 11 x SS 8. L37561 ERG151 11 x SS					
33. Transporter Acknowledgment of Receipt of Materials					
Printed/Typed Name		Signature		Month	Day Year
34. Transporter Acknowledgment of Receipt of Materials					
Printed/Typed Name		Signature		Month	Day Year
35. Discrepancy					
36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)					
5. H040		6. H040		7. H040	
				8. H141	



ENVIRONMENTAL SERVICES®

MANIFEST INFORMATION

Land Disposal Restriction
Notification Form

Page : 1 of 2

Printed Date : Dec 14, 2010

Generator : Sunoco Inc

Address: Margaret and Bermuda Street
Philadelphia, PA 19137

EPA ID #: PAD002312791

Manifest Tracking Info.

003452947FLE

Sales Order No: 733247600

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

EPA Waste Code

D001

EPA Waste SubCategory

Ignitables, except High TOC Liquids

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
2.	1	L38662	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code

D001

D003

U096

EPA Waste SubCategory

Ignitables, except High TOC Liquids

Other reactives

NONE

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
3.	1	38669	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code

U188

EPA Waste SubCategory

NONE

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
4.	1	CH12050	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code

K022

EPA Waste SubCategory

NONE

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

EPA Waste Code

EPA Waste SubCategory

TIB



Land Disposal Restriction
Notification Form

Page : 2 of 2

Printed Date : Dec 14, 2010

LDR Chemical Data

Chemical	Underlying Hazardous Constituent	Constituents of Concern	Contaminants Subject to Treatment
Phenol			N

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
6.	2	L37556	NON-WASTEWATER	2 (This is subject to LDR.)
EPA Waste Code			EPA Waste SubCategory	
K022			NONE	

LINE ITEM INFORMATION				
Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
7.	2	L37560	NON-WASTEWATER	2 (This is subject to LDR.)
EPA Waste Code			EPA Waste SubCategory	
U188			NONE	

LINE ITEM INFORMATION				
Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
8.	2	L38661	NON-WASTEWATER	3 (Alternate Debris Standard)
EPA Waste Code			EPA Waste SubCategory	
D002			Corrosive Characteristic	

Certification

Applies to
Manifest Line
Items

Pursuant to 40 CFR 268.7(a), I hereby notify that this shipment contains waste restricted under 40 CFR Part 268.

2. 3. 4.
5. 6. 7.

This hazardous debris is subject to the Alternate Treatment Standards of 40 CFR 268.45.

8.

Waste analysis data, where available, is attached.

Signature :

Adrienne Blanchard
Environmental Engineer

Print Name

Adrienne Blanchard

Title :

Date :

12/12/2010

733273648

SCPPW 10/26/2010

Form Approved. OMB No. 2050-0039

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number PA0002312791	2. Page 1 of 1	3. Emergency Response Phone (800) 483-3718	4. Manifest Tracking Number 003916186 FILE		
5. Generator's Name and Mailing Address Sunoco Inc Margaret and Remuda Street Philadelphia, PA 19137				Generator's Site Address (if different than mailing address) SAME			
Generator's Phone: (215) 807-9442							
6. Transporter 1 Company Name Clean Harbors Environmental Services Inc				U.S. EPA ID Number MAD039322250			
7. Transporter 2 Company Name				U.S. EPA ID Number			
8. Designated Facility Name and Site Address Clean Harbors El Dorado LLC 309 American Circle El Dorado, AR 71730				U.S. EPA ID Number ARD089748192			
Facility's Phone: (870) 863-7173							
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
			No.	Type			
	1.	UN3243, WASTE SOLIDS CONTAINING TOXIC LIQUID, N.O.S. (CUMYL PHENOL, PHENOL), 6.1, PG II	43	DM	10,910	12	K022
	2.	UN2810, WASTE TOXIC LIQUIDS, ORGANIC, N.O.S. (PHENOL, ACETOPHENONE), 6.1, PG II	27	DM	12,222	12	K022
	3.	UN3244, WASTE SOLIDS CONTAINING CORROSIVE LIQUID, N.O.S., (SODIUM HYDROXIDE), 8, PG II	12	DM	1380	12	D002
14. Special Handling Instructions and Additional Information 1. CH12050 ERG#151 43-SS-000 2. L37556 ERG#153 12-SS-000 3. L38661 ERG#154 12-SS-000							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Officer's Printed/Typed Name Adrienne Blanchard							
Signature <i>Adrienne Blanchard</i>							
Month Day Year 10 14 11							
TRANSPORTER	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____						
	17. Transporter Acknowledgment of Receipt of Materials						
	Transporter 1 Printed/Typed Name Shawn S.						
	Signature <i>Shawn S.</i>						
	Month Day Year 10 14 11						
DESIGNATED FACILITY	18. Discrepancy						
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
	Manifest Reference Number: _____						
	18b. Alternate Facility (or Generator) U.S. EPA ID Number						
	Facility's Phone: _____						
18c. Signature of Alternate Facility (or Generator) Month Day Year							
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1. H040		2. H040		3. H141		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name _____ Signature _____ Month Day Year							



Land Disposal Restriction
Notification Form

Page : 1 of 1

Printed Date : Jan 12, 2011

MANIFEST INFORMATION

Generator : Sunoco Inc

Address: Margaret and Bermuda Street
Philadelphia, PA 19137

EPA ID #: PAD002312791

Manifest Tracking Info.

003916186FLE

Sales Order No: 733273646

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
1.	1	CH12050	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code

K022

EPA Waste SubCategory

NONE

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
2.	1	L37556	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code

K022

EPA Waste SubCategory

NONE

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
3.	1	L38661	NON-WASTEWATER	3 (Alternate Debris Standard)

EPA Waste Code

D002

EPA Waste SubCategory

Corrosive Characteristic

Certification

Applies to
Manifest Line
Items

Pursuant to 40 CFR 268.7(a), I hereby notify that this shipment contains waste restricted under 40 CFR Part 268.

1. 2.

This hazardous debris is subject to the Alternate Treatment Standards of 40 CFR 268.45.

3.

Waste analysis data, where available, is attached.

Signature :

Adrienne Blanchard

Print Name

Adrienne Blanchard

Title :

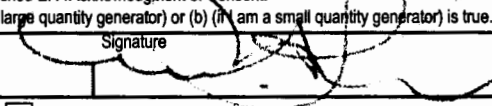
Environmental Engineer

Date :

1/19/2011

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number PAD002312791	2. Page 1 of 2	3. Emergency Response Phone (800) 483-3718	4. Manifest Tracking Number 003917962 FLE		
5. Generator's Name and Mailing Address Sinoco Inc Margaret and Bernike Street Philadelphia, PA 19137				Generator's Site Address (if different than mailing address) SAME			
Generator's Phone: (215) 807-8442							
6. Transporter 1 Company Name Clean Harbors Environmental Services Inc				U.S. EPA ID Number MAD039322250			
7. Transporter 2 Company Name				U.S. EPA ID Number			
8. Designated Facility Name and Site Address Clean Harbors El Dorado LLC 309 American Circle El Dorado, AR 71730				U.S. EPA ID Number ARD069748192			
Facility's Phone: (870) 863-7173							
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	X	1. UN1993, WASTE FLAMMABLE LIQUIDS, N.O.S. (CUMENE, WATER, DIRT), 3, PG II	003	DM	01110	P	D001 U055
	X	2. UN1993, WASTE FLAMMABLE LIQUIDS, N.O.S. (ACETONE, PHENOL), 3, PG II, (GC VIALS)	001	DM	00150	P	D001 U002 U055
	X	3. UN3110, WASTE ORGANIC PEROXIDE TYPE F, SOLID, (CUMENE HYDROGEN PEROXIDE), 5.2, PG II	009	DM	01800	P	D001 D003 U098
	X	4. UN2810, WASTE TOXIC LIQUIDS, ORGANIC, N.O.S. (PHENOL, ACETOPHENONE), 3.1, PG II	004	DM	00500	P	K022
14. Special Handling Instructions and Additional Information 1. L337557 ERG#128 1X55 2. L339743 ERG#138 1X55 3. L38662 ERG#145 9X55 4. L37556 ERG#153 1X55							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Officer's Printed/Typed Name Max A. Switzer				Signature 		Month Day Year 10/09/11	
TRANSPORTER INTL	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Transporter signature (for exports only): _____ Date leaving U.S.: _____						
	17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name _____ Signature _____ Month Day Year 10/09/11 Transporter 2 Printed/Typed Name _____ Signature _____ Month Day Year _____						
	18. Discrepancy 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Manifest Reference Number: _____ 18b. Alternate Facility (or Generator) _____ U.S. EPA ID Number _____ Facility's Phone: _____ 18c. Signature of Alternate Facility (or Generator) _____ Month Day Year _____						
DESIGNATED FACILITY	19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 1. H040 2. H040 3. H040 4. 11540						
	20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name _____ Signature _____ Month Day Year _____						

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)		21. Generator ID Number PAD002312791	22. Page 2 of 2	23. Manifest Tracking Number 003917962FLE		
24. Generator's Name Sunoco Inc						
25. Transporter _____ Company Name				U.S. EPA ID Number		
26. Transporter _____ Company Name				U.S. EPA ID Number		
27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers		29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes
		No.	Type			
X	5. UNS243, WASTE SOLIDS CONTAINING TOXIC LIQUID, N.O.S., (CUMENE, PHENOL), 0.1, PG II	002	DM	00120	P	U188
X	6. UNS243, WASTE SOLIDS CONTAINING TOXIC LIQUID, N.O.S., (CUMYL PHENOL, PHENOL), 0.1, PG II	001	DM	00060	P	K022
X	7. UN2811, WASTE TOXIC SOLIDS, ORGANIC, N.O.S., (CHROMIUM, LEAD), 0.1, PG II	001	DM	00060	P	D007 D008
X	8. UN2821, WASTE PHENOL SOLUTIONS, 0.1, PG II	001	DM	00150	P	U188
X	9. UNS090, LITHIUM BATTERY, 9, PG II, UNIVERSAL WASTE	001	DM	00025	P	
	10. NON DOT REGULATED MATERIAL, (FLUORESCENT LIGHT BULBS-UNIVERSAL WASTE)	001	CF	00018	P	
32. Special Handling Instructions and Additional Information 5. L37560 ERG1151 2X55 9. CH486672 ERG1138 1X5 6. CH12050 ERG1151 1X55 10. CH486669 1X4FTB 7. L330319 ERG1154 1X55 8. L339744 ERG1153 1X55						
33. Transporter Acknowledgment of Receipt of Materials						
Printed/Typed Name				Signature		Month Day Year
34. Transporter Acknowledgment of Receipt of Materials						
Printed/Typed Name				Signature		Month Day Year
35. Discrepancy						
36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
5. H040		6. H040		7. H040		8. H040
10. H039						9. H040



ENVIRONMENTAL SERVICES

MANIFEST INFORMATION

Land Disposal Restriction
Notification Form

Page : 1 of 3

Printed Date : Mar 09, 2011

Generator : Sunoco Inc

Address: Margaret and Bermuda Street
Philadelphia, PA 19137

EPA ID #: PAD002312791

Manifest Tracking Info.

003917962FLE

Sales Order No: 633394658-001

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
1.	1	L37557	NON-WASTEWATER	2 (This is subject to LDR.)
EPA Waste Code			EPA Waste SubCategory	
D001			High TOC Ignitable Liquids	
U055			NONE	

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
2.	1	L339743	NON-WASTEWATER	2 (This is subject to LDR.)
EPA Waste Code			EPA Waste SubCategory	
D001			High TOC Ignitable Liquids	
U002U055			NONE	

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
3.	1	L38662	NON-WASTEWATER	2 (This is subject to LDR.)
EPA Waste Code			EPA Waste SubCategory	
D001			Ignitables, except High TOC Liquids	
D003			Other reactives	
U068			NONE	

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
4.	1	L37558	NON-WASTEWATER	2 (This is subject to LDR.)
EPA Waste Code			EPA Waste SubCategory	
K022			NONE	

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
5.	2	L37580	NON-WASTEWATER	2 (This is subject to LDR.)
EPA Waste Code			EPA Waste SubCategory	
U188			NONE	



Land Disposal Restriction
Notification Form

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Printed Date : Mar 09, 2011

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
6.	2	CH12050	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code

K022

EPA Waste SubCategory

NONE

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
7.	2	L330319	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code

D007

D008

EPA Waste SubCategory

Toxicity Characteristic for Chromium

Toxicity Characteristic for Lead

LDR Chemical Data

Chemical	Underlying Hazardous Constituents	Constituents of Concern	Contaminants Subject to Treatment
Chromium	Y	N	N
LEAD	Y	N	N

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
8.	2	L330744	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code

U188

EPA Waste SubCategory

NONE

LDR Chemical Data

Chemical	Underlying Hazardous Constituents	Constituents of Concern	Contaminants Subject to Treatment
Phenol	Y	N	N



Land Disposal Restriction
Notification Form

Page : 3 of 3

Printed Date : Mar 09, 2011

Certification

Applies to
Manifest Line
Items

Pursuant to 40 CFR 268.7(a), I hereby notify that this shipment contains waste restricted under 40 CFR Part 268.

1. 2. 3. 4.
5. 6. 7. 8.

This waste is not restricted as specified in 40 CFR 268 Subpart D.

9. 10.

Waste analysis data, where available, is attached.

Signature : 

Print Name

MARK SWEITZER

Title :

ENV. ENGINEER

Date :

3/9/11.

Attachment 10A
Job Descriptions of Material Handler and Lab
Assistant

1.0 Purpose/Scope:

The purpose of this procedure is to identify the duties and responsibilities of the *Material Handler* position in the Distribution department.

This procedure will apply to the *Material Handler* and operators from the maintenance labor gang who will provide back up coverage for this position.

2.0 Definitions:

Material Handler – Name of the position in the distribution department who operates a forklift and handles all package material handling in the Frankford plant.

Distribution Coordinator- Supervisor who coordinates workload for the Material Handler.

Distribution Supervisor – Supervisor of the distribution department.

PPE – Personal Protective Equipment.

3.0 General Requirements

Material Handler must be forklift certified and trained on DOT regulations for loading and unloading of trucks in the plant. Must be trained on regulations for handling of hazardous materials.

4.0 Key Responsibilities

This will be the responsibility of the *Material Handler* and back-up to follow this procedure.

The *Distribution Coordinator* has responsibility to communicate to the *Material Handler* the workload priority on a daily basis.

5.0 Procedure/Process

Upon arrival to the plant check voicemail on phone located in the warehouse for any messages, needs to be checked first thing and periodically during the workday.

Complete a full inspection of all 3 forklifts before operating any of them. Report any operational issues with the forklifts to the *Distribution Coordinator* or *Distribution Supervisor*.

Take Daily Inventory of the following products in the plant:

top, allow full tote to flow to the low tote. Remove the empty tote, wash hoses and return them to the warehouse.

Unload virgin or reactivated carbon as required. Delivered on a flat bed truck. Need to unload the truck using a forklift and store in the warehouse or at the units when required.

Load and Unload acid totes and SO2 bottle racks as needed. Weigh and ship equipment from the storeroom as required. Place empty 17H drums as needed by employees at the decon pad, move full labeled drums to the Hazmat drum park.

Prepare Hazmat or residual drums for shipping as required by the environmental department.

Place hoses at proper locations as required by shippers and operations department. Return rolled up hoses to the cage in the warehouse when finished.

Preparing Spent Carbon for shipment: Make sure carbon bags are sitting squarely on the pallet. Do not allow bag to overhang on the pallet. Weigh each pallet on the truck scale using the forklift to transport. Record weight on a piece of paper, once all carbon bags are weighed, remove tags from the bags from the shipper. Retag the bags evenly between the 2 trucks. Trucks must be flatbeds. Guards must weigh trucks upon arrival and at final departure after loading has been completed.

Preparing HAZMAT drums for shipment: Get a list of the drums to be shipped from the environmental department. Weigh the drums on the truck scale minus 80lbs from the total weight of the pallet. Divide the total by 4 to get the weight of each drum. Write the weight on the drum rings. Line the drums up in the warehouse for shipment. Stencil the profile number on the top of the drum in 1" stencil. Trucks can take approximately 90 to 96 drums according to weight. Truck must be weighed in/out of the plant. Truck must not exceed 80,000lbs DOT weight limit restriction. Complete the hazmat drum shipment sheet with the number of drums & seal numbers, when the truck is loaded call the environmental department at extension 8442 for the shipping manifest papers.

Revision Log

Revision Date	Document Approver	Document Reviewers HES	Document Writer	Revision Number & Details Brief description of why the document was revised.
12-04-03	D. Sekel		B. Cornwall	Revision 00: Initial SOP.

End of the Procedure

Frankford Plant

Job Description

Position Title	Lab Assistant
Department	Quality Control Laboratory
Reports to	Quality Control Supervisor
Summary of Position	<ul style="list-style-type: none">• <u>Everyday:</u> Trash removal, floor/counter cleaning and disposing glass, tags and caps to appropriate areas. Dispose chemicals and chemical waste to appropriate areas. Take samples to CDL, check with stores, deliver material from stores to QCL, maintain inventory. Maintain QCL sample retention room. Take customer sample packages to main gate as needed, deliver mail to QCL and OPS. Clean CP break area and bathrooms. Maintain hallway from foreman's office to lab. Sweep/Mop, remove trash from foreman's office, controls office and control room.• <u>Monday:</u> Deliver check standards from CDL to QCL• <u>Monday, Wednesday and Friday:</u> Take empty water bottles down and full ones up to Lab• <u>Tuesday and Friday:</u> Stage empty 12 pack cylinders for Air Gas to pick up and set up full 12 packs in their assigned areas.• As needed assist Material Handler with SO2 cylinders
Minimum Education	High School Diploma
Minimum Experience	Familiar with handling and disposing of chemicals.
Skills/Equipment	Operate Jittney, glass crusher
Working Conditions	Works in Quality Control Lab, sample storage room and designated areas throughout plant.

Attachment 10B
Job Descriptions for Other Primary
Manufacturing Jobs

GENERAL JOB DUTIES

Job Title: Unit 3 Oxidation Operator

General Description:

Services field requirements of unit 3 Oxidation area and works with unit 3 phenol board operator to control process in area. Services: Recycle cumene scrubbing system, oxidizers, filters, pre-flasher, flash column, decomposer, dehydrators, ion exchangers and other equipment as designated by supervision.

Operates in the field taking samples, reading field instruments, making batch pumpings, and observing the operation of equipment.

Specific Description:

1. Must know the location and proper identification of oxidizers, pre-flasher, flash column, decomposer, dehydrators, ion exchangers, tanks, filters, including all associated lines, pumps, heat exchangers, instruments and control valves.
2. Must know the process flow for the following, including equipment, cooling equipment and utility lines to and from:
 - Catalytic Oxidation
 - OX-501 Oxidizer
 - OX-401 Oxidizer
 - OX-301 Oxidizer
 - OX-302 Oxidizer
 - PF-301 Pre-flasher
 - CL-300 Flash Column
 - VT-307 decomposer
 - Recycle Cumene System
 - Big Billy Refrigeration Unit
 - IR Air Compressor
 - Other Equipment as designated by Management.
3. Must know how and when to take and record measurements and readings on pumping sheets, inventory sheets and board log sheets.
4. Must know and stay abreast of changes in the following operating Procedures:

- a. Sampling, specifically, sample point locations, sampling frequency, lab analysis required and proper method of sample disposal.
- b. Swinging and cleaning recycle cumene and flash column feed filters. Taking Sela filters off-line for cleaning or maintenance.
- c. Shutting down or starting up oxidizers in normal and emergency situations.
- d. Swinging and regeneration of charcoal adsorbers, manually if necessary. Quenching for maintenance or emergency.
- e. Putting the Pre-flasher on recycle manually. starting it up, shutting it down, flushing it with cumene, charging the deluge drum with cumene.
- f. Putting the flash column on recycle manually, starting it up, shutting it down, flushing it with cumene, charging the deluge drum with cumene.
- g. Putting the decomposer on recycle manually, charging with crude product, starting it up, shutting it down, standard boilout.
- h. swinging and changing cylinders in the SO₂ system, manipulating CHP flow to calorimeters using jumper lines.
- i. Taking dehydrators off-line for maintenance, putting in series, putting in parallel.
- j. How to (re) start Big Billy, how to set up cooling water, how to redirect brine flow to units, how to make up brine at VT-750.
- k. Swinging jets on pre-flasher and flash column.
- l. Swinging pumps, priming, draining, tagging and locking out for maintenance.
- m. Draining, flushing and blowing lines and equipment.
- n. How and when to (re) direct effluent flows to phenolic and non-phenolic sewer. How to pump away phenolic water/oil to VT-105. Air - Oil pumps, readings.
- o. Start-up/Shutdown and Normal Operation for CAT-OX.

5. "Must maintain cleanliness and order in 3 Oxidation working area"
6. Inspects all items of equipment under operators jurisdiction at least twice per shift, reporting any abnormalities and making minor adjustments where authorized.
7. Assists the phenol board operator by:
 - a. Taking special or extra readings and samples as directed.
 - b. Reporting unusual conditions or inventory changes to the board operator even though these conditions may be indicated on the control room console.
 - c. Coordinates own actions with those of other operators in the field and renders assistance when necessary.
8. Must know the exact published procedures for emergency action in 3 oxidation section and be prepared to follow them without further direction when an emergency requires or when instructed to do so by a supervisor.
9. Will perform any other task which may be deemed necessary as determined by Supervisor or Department Supervision.
10. Follow Safety Regulations, and Procedures.
11. Takes field bi-hourly readings and records readings in control room.
12. Will receive training on all regulatory requirements ie. EPA, DOT, OSHA and all job specific requirements.

GENERAL JOB DUTIES

Job Title: Environmental Compliance Operator

General Description:

Services field requirements of Environmental Compliance area and works with unit 2 phenol board operator to control process in area.

Services: PR-2, CL-610, Process Sewers and other equipment as designated by management.

Operates in the field taking samples, reading field instruments, making batch pumpings, and observing the operation of equipment.

Specific Description:

1. Must know the location and proper identification of columns, tanks, including all associated lines, pumps, heat exchangers, instruments and control valves.
2. Must know the process flow for the following, including utility lines to and from:
 - CL-601
 - CL-610
 - Springer (VT-604)
 - Feed water preparation
 - PR-2 main area and tank farm.
 - "M" sewer
 - All process sewers
 - Other Equipment as designated by Management.
3. Must know how and when to take and record measurements and readings on pumping sheets, inventory sheets and board log sheets.
4. Must know and stay abreast of changes in the following operating Procedures:
 - a. Sampling, specifically, sample point locations, sampling frequency, lab analysis required and proper method of sample disposal.
 - b. Shutting down or starting up columns in normal and emergency situations. How to put on recycle and how to boilout.
 - c. Draining, flushing and blowing lines and equipment.

- d. Swinging pumps, draining, tagging and locking out for maintenance.
 - e. How and when to (re) direct effluent flows to phenolic and non-phenolic sewers.
5. "Must maintain cleanliness and order in working area"
 6. Inspects all items of equipment under operators jurisdiction at least twice per shift, reporting any abnormalities and making minor adjustments where authorized.
 7. Assists the phenol board operator by:
 - a. Taking special or extra readings and samples as directed.
 - b. Reporting unusual conditions or inventory changes to the board operator even though these conditions may be indicated on the control room console.
 - c. Coordinates own actions with those of other operators in the field and renders assistance when necessary.
 8. Must know the exact published procedures for emergency action in environmental section and be prepared to follow them without further direction when an emergency requires or when instructed to do so by a supervisor.
 9. Will perform any other task which may be deemed necessary as determined by Supervisor or Department Supervision.
 10. Safety Regulations, and Procedures.

GENERAL JOB DUTIES

Job Title: Pumper

General Description:

Services the pumping requirements of the department. Services the transfer of refined products (phenol, acetone, AMS), 118 Phenol, crude materials transfers (crude product, crude acetone, crude AMS), cumene, sprung phenol, phenate, caustic, phenol water, residue, effluent oil, sulfate, off-spec materials (cumene, acetone, phenol, AMS, unloading and loading of tank trucks and tank cars. Operates in the field taking samples, reading field instruments, and observing the operation of equipment.

Specific Description:

1. Must know the location and proper identification of tanks, lines, pumps throughout department and other areas of the plant.
2. Must know the types of materials transferred to, and storage tanks in and outside of the department (acetone, AMS, residue.)
3. Must know how and when to take and record measurements and readings on pumping sheets, daily inventory sheets, filling out shipping sheets, tank car inspections reports, receiving records, etc.
4. Loading tank trucks (phenol)
5. Unloading of 50% caustic from tank cars and tank trucks at track 14 and tank cars from track 10 & 11 to VT-345, VT-337, VT-231, VT-615 and VT-616.
6. Must know how to transfer refined product and off-spec products.
7. Transfer of various materials using multipurpose lines throughout the department.
8. Sampling of various tanks as deemed necessary by supervision.
9. Tank readings every two (2) hours as deemed necessary by supervision and 0500 morning inventory.
10. General housekeeping of work area.
11. Draining, flushing and blowing of lines, pumps, etc.
12. Will perform any other task which may be deemed necessary as determined by supervisor or department supervision.
13. Must follow all Safety Regulations, and Procedures.

GENERAL JOB DUTIES

Job Title: Unit 2 Oxidation Operator

General Description:

Services field requirements of unit 2 Oxidation area and works with unit 2 phenol board operator to control process in area. Services: Oxidizers, filters, pre-flasher, flash column, decomposer, dehydrators, ion exchangers and other equipment as designated by management.

Operates in the field taking samples, reading field instruments, making batch pumpings, and observing the operation of equipment.

Specific Description:

1. Must know the location and proper identification of oxidizers, pre-flasher, flash column, decomposer, dehydrators, ion exchangers, tanks, filters, including all associated lines, pumps, heat exchangers, instruments and control valves.
2. Must know the process flow for the following, including equipment, cooling equipment and utility lines to and from:
 - OX-201 Oxidizer
 - OX-202 Oxidizer
 - PF-201 Pre-flasher
 - CL-200 Flash Column
 - VT-208 Decomposer
 - Ion Exchangers
 - Recycle Cumene System
 - Big Ben & Bertha Refrigeration Unit
 - Nitrogen system
 - CL-220 Batch Still
 - CL-206 Phenol Topping Column
 - CL-208 Refined Acetone Column
 - Other Equipment as designated by Management.
3. Must know how and when to take and record measurements and readings on pumping sheets, inventory sheets and board log sheets.
4. Must know and stay abreast of changes in the following operating Procedures:

- a. Sampling, specifically, sample point locations, sampling frequency, lab analysis required and proper method of sample disposal.
- b. Swinging and cleaning recycle cumene and flash column feed filters.
- c. Shutting down or starting up oxidizers in normal and emergency situations.
- d. Swinging and regeneration of charcoal adsorbers, manually if necessary. Quenching for maintenance or emergency.
- e. Putting the Pre-flasher on recycle manually, starting it up, shutting it down, flushing it with cumene, charging the deluge drum with cumene.
- f. Putting the flash column on recycle manually, starting it up, shutting it down, flushing it with cumene, charging the deluge drum with cumene.
- g. Putting the decomposer on recycle manually, charging with crude product, starting it up, shutting it down, standard boilout.
- h. swinging and changing cylinders in the SO₂ system, manipulating CHP flow to calorimeters using jumper lines.
- i. Swinging ion exchangers on and off line, regenerating with caustic, water washing with soft water, making up a new caustic tank, pumping away regeneration tank phenate. also, ion exchanger back fluffing with nitrogen.
- j. Taking dehydrators off-line for maintenance, putting in series, putting in parallel.
- k. How to (re) start Big Ben & Bertha, how to set up cooling water, how to redirect brine flow to units.
- l. Swinging jets on pre-flasher and flash column.
- m. Swinging pumps, priming, draining, tagging and locking out for maintenance.
- n. Draining, flushing and blowing lines and equipment.

- a. How and when to (re) direct effluent flows to phenolic and non-phenolic sewer. How to pump away phenolic water/oil to VT-105.
5. "Must maintain cleanliness and order in 2 Oxidation working area"
6. Inspects all items of equipment under operators jurisdiction at least twice per shift, reporting any abnormalities and making minor adjustments where authorized.
7. Assists the Phenol Board Operator by:
 - a. Taking special or extra readings and samples as directed.
 - b. Reporting unusual conditions or inventory changes to the board operator even though these conditions may be indicated on the control room console.
 - c. Coordinates own actions with those of other operators in the field and renders assistance when necessary.
8. Must know the exact published procedures for emergency action in 2 oxidation section and be prepared to follow them without further direction when an emergency requires or when instructed to do so by a supervisor.
9. Will perform any other task which may be deemed necessary as determined by Supervisor or Department Supervision.
10. Follow Safety Regulations, and Procedures.

GENERAL JOB DUTIES

Job Title: Unit 2 Stills Operator

General Description:

Services field requirements of unit 2 stills area and works with unit 2 phenol board operator to control process in area. Services crude acetone column, cumene recovery column, crude alpha methyl styrene column, refined phenol column, all columns in the AMS unit and other equipment as designated by management.

Operates in the field taking samples, reading field instruments, making batch pumpings, and observing the operation of equipment.

Specific Description:

1. Must know the location and proper identification of columns, tanks, jets, including all associated lines, pumps, heat exchangers, instruments and control valves.
2. Must know the process flow for the following, including utility lines to and from:
 - CL-201 Crude Acetone Column
 - CL-203 Crude Cumene Recovery Column
 - CL-204 Crude AMS column
 - CL-205 Phenol Column
 - CL-111 AMS Recovery Column
 - CL-112 Cumene Recovery column
 - CL-113 Refined AMS Column
 - CL-101 Crude Acetone Column
 - CL-114 Acetone Recovery Column
 - Other Equipment as designated by Management.
3. Must know how and when to take and record measurements and readings on pumping sheets, inventory sheets and board log sheets.
4. Must know and stay abreast of changes in the following operating Procedures:
 - a. Sampling, specifically, sample point locations, sampling frequency, lab analysis required and proper method of sample disposal.

- b. Shutting down or starting up columns in normal and emergency situations. How to put on total reflux and how to boilout.
 - c. Draining, flushing and blowing lines and equipment.
 - d. Swinging pumps, priming under atmospheric and vacuum conditions, draining, tagging and locking out for maintenance.
 - e. Draining, flushing and blowing lines and equipment.
 - f. How and when to (re) direct effluent flows to phenolic and non-phenolic sewers.
5. "Must maintain cleanliness and order in 2 stills working area"
6. Inspects all items of equipment under operators jurisdiction at least twice per shift, reporting any abnormalities and making minor adjustments where authorized.
7. Assists the phenol board operator by:
- a. Taking special or extra readings and samples as directed.
 - b. Reporting unusual conditions or inventory changes to the board operator even though these conditions may be indicated on the control room console.
 - c. Coordinates own actions with those of other operators in the field and renders assistance when necessary.
8. Must know the exact published procedures for emergency action in 2 stills section and be prepared to follow them without further direction when an emergency requires or when instructed to do so by a supervisor.
9. Will perform any other task which may be deemed necessary as determined by Supervisor or Department Supervision.
10. Safety Regulations, and Procedures.

GENERAL JOB DUTIES

Job Title: Unit 3 Stills Operator

General Description:

Services field requirements of unit 3 stills area and works with unit 3 phenol board operator to control process in area. Services crude acetone column, de-watering column, cumene recovery column, crude alpha methyl styrene column, residue column, and other equipment as designated by management.

Operates in the field taking samples, reading field instruments, making batch pumpings, and observing the operation of equipment.

Specific Description:

1. Must know the location and proper identification of columns, tanks, jets, including all associated lines, pumps, heat exchangers, instruments and control valves.
2. Must know the process flow for the following, including utility lines to and from:
 - CL-301 Crude Acetone Column
 - CL-302 De-watering Column
 - CL-303 Crude Cumene Recovery Column
 - CL-304 Crude AMS column
 - CL-305 Phenol Column
 - CL-306 Residue Column
 - CL-308 Refined Acetone Column
 - CL-120 High Purity Column
 - CL-121 High Purity Column
 - Other Equipment as designated by Management.
3. Must know how and when to take and record measurements and readings on pumping sheets, inventory sheets and board log sheets.
4. Must know and stay abreast of changes in the following operating Procedures:
 - a. Sampling, specifically, sample point locations, sampling frequency, lab analysis required and proper method of sample disposal.
 - b. Charging the cumene scrubbers, and pumping away the phenate.

- c. Shutting down the scrubbers, or by-passing a scrubber.
 - d. Shutting down or starting up columns in normal and emergency situations. How to put on total reflux and how to boilout.
 - e. Draining, flushing and blowing lines and equipment.
 - f. Swinging pumps, priming under atmospheric and vacuum conditions, draining, tagging and locking out for maintenance.
 - g. Draining, flushing and blowing lines and equipment.
 - h. How and when to (re) direct effluent flows to phenolic and non-phenolic sewers.
5. "Must maintain cleanliness and order in 3 stills working area"
6. Inspects all items of equipment under operators jurisdiction at least twice per shift, reporting any abnormalities and making minor adjustments where authorized.
7. Assists the phenol board operator by:
 - a. Taking special or extra readings and samples as directed.
 - b. Reporting unusual conditions or inventory changes to the board operator even though these conditions may be indicated on the control room console.
 - c. Coordinates own actions with those of other operators in the field and renders assistance when necessary.
8. Must know the exact published procedures for emergency action in 3 stills section and be prepared to follow them without further direction when an emergency requires or when instructed to do so by a supervisor.
9. Will perform any other task which may be deemed necessary as determined by Supervisor or Department Supervision.
10. Safety Regulations, and Procedures.

Attachment 10C
RCRA Training Records